



Brochure

Vertiv[™] Channel

Product Catalogue 2026



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Grow your business!

Your end users can't afford for their critical infrastructure to go down. At Vertiv, we have built our capabilities on delivering reliable facilities and IT Infrastructure solutions that support business-critical continuity.

What can Vertiv's portfolio bring to end users?

Optimization of their critical infrastructure - we, as Vertiv, promise to **maximize the availability, capacity and efficiency of their critical infrastructure.**

We can provide the ideal and complete solution for their business: our product range brings together everything you need in order to have their business up and running at any moment, and at the same time supply quicker and easier access to the infrastructure.

Vertiv provides hardware and software products that offer a complete solution for infrastructure management and, besides having all these products under one roof, we also have the right people you need: **IT experts, sales consultants and technical support teams** - an entire team focused on the challenges brought by your customer.

Therefore, if your clients are looking to optimize their infrastructure by investing in one organization, Vertiv is a sound choice.

Vertiv™ Partner Program: partnering with us

Like in any true partnership, we realize that for it to be successful it needs to be mutually understood and meet the needs, objectives, and goals of both parties.



Partner enablement programs

The Vertiv™ Partner Program is designed to empower distributors and resellers to meet the complex customer demands around edge computing, digitalization and other disruptive trends facing today's data center and wider IT landscape. These are the reasons to partner with us:



Rebate program

The Vertiv™ rebate program enables Diamond and Diamond Elite partners to earn uncapped financial rewards for selling Vertiv and hitting quarterly sales targets.



Solution discounts

Take advantage of solution discounts available to all partner levels besides Silver.



Vertiv partner locator tool

The new Partner Locator connects customers with the right Vertiv partner in their country/area. Listing your company on the locator allows you to receive inquiries from buyers looking to purchase Vertiv products. All the leads coming from Partner Locator can be accessed and reviewed in the Lead Dashboard.



Leads dashboard

The Lead Dashboard tool centralizes all the leads coming from different sources, be it partner locator, marketing center or directly from Vertiv. All your leads are captured and stored in a personalized lead dashboard, in the partner portal.



Marketing Co-Op/MDF fund

Ability to access accrued marketing funds based on your Vertiv revenue on all channel products, enabling reinvestment in mutually beneficial demand generation activities. Available for Diamond and Diamond Elite partners.



Marketing automation tools

The Marketing Center enables you to get easy access to marketing content and tools to create awareness in the market and maximize your demand generation and create leads. The Marketing Automation platform provides partners with ready-to-use co-branded email assets, social media posts, Google Ads and showcase pages.



Co-branded assets

The co-branding function allows you to co-brand documents like brochures, certificates, catalogues, data sheets, application briefs. Co-branded collateral is meant to help you with marketing campaigns and events.

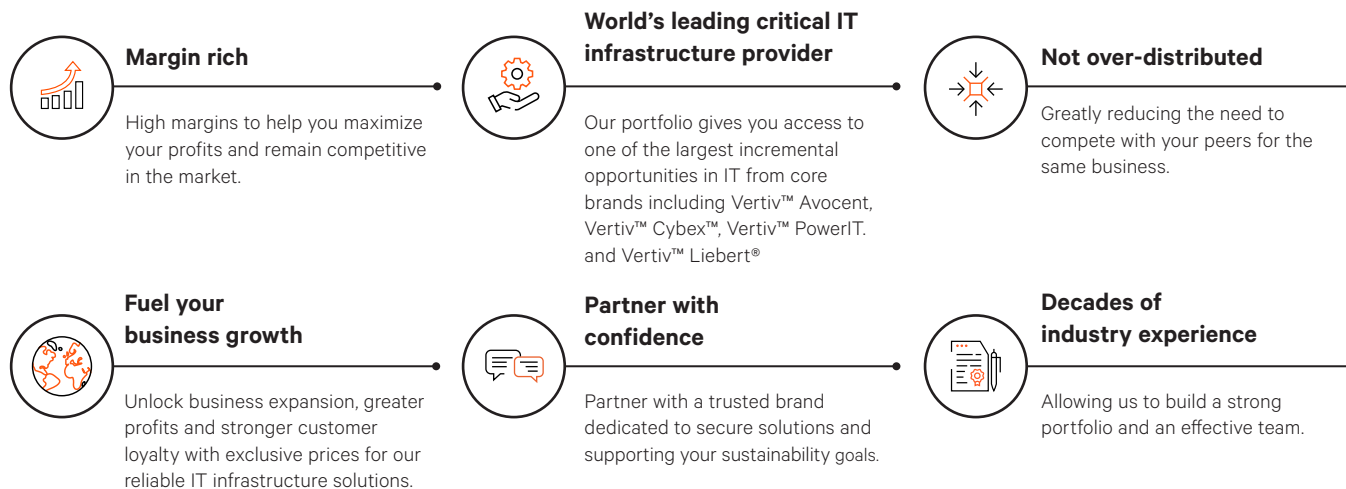


Vertiv™ partner program

When You Succeed, We Succeed. Stay up-to-date on the latest news and gain access to sales tools and other partner-related information to help you qualify and drive business.



Top reasons to partner with Vertiv



Vertiv™ partner certification program

Master **Vertiv's IT Systems and Medium Power Solutions portfolio** through direct expert guidance, hands-on experience, and practical insights designed to optimize performance and keep pace with evolving industry trends.

These training sessions are exclusively tailored for **Sales and Technical Sales** professionals, combining strategy, technical depth, and real-world application.

Professional sessions are delivered through live webinars, with selected in-person sessions available in specific locations. They are designed to build a strong foundation, helping participants confidently understand and position Vertiv solutions in customer conversations.

Expert sessions, instead, are offered exclusively in person at the Vertiv Academy in Bologna, Italy. These sessions provide a highly immersive experience, where participants engage directly with specialists, explore real-world scenarios, and strengthen their practical expertise through hands-on activities.

Benefits for certified partners



Official Vertiv certification

Earn an official Vertiv certification to strengthen your professional profile and build customer trust.



Comprehensive portfolio knowledge

Develop in-depth expertise across the Vertiv portfolio and master advanced solution configurations.



Exclusive tools & resources

Access dedicated configuration tools and apply acquired skills in real-world scenarios.



Premium partner advantages

Participate in expert-led workshops and unlock **Service Partnership eligibility** for Platinum Partners and above.



Scan and book now your next certification session

Vertiv™ High-Density Showroom

Discover the cutting-edge solutions shaping tomorrow's digital infrastructure.

More than just a showroom, this is an immersive experience center where you can explore fully operational systems firsthand.

From essential infrastructure to cutting-edge integrated solutions in power and cooling, you'll discover the full breath of Vertiv's technology portfolio. Engage directly with our experts, collaborate on real challenges, and get a glimpse of what's possible today—and what's next for tomorrow.

Download ebook



Step inside our Vertiv™ High-Density Showroom and experience the technologies driving the digital era.





Powering the AI era

Reliable, efficient, and scalable power infrastructure for the AI era — from grid to chip.

[Read more](#)

Vertiv stands at the center of this transformation — uniting decades of power expertise with next-generation technology that enables AI data centers to grow, adapt, and perform with confidence. Resilience has long underpinned successful digital transformation. In the AI era, it becomes even more critical—serving as the backbone of reliable, scalable innovation. Vertiv provides the infrastructure behind the world's most demanding AI operations, supporting performance that's always on, always efficient, and always ready for what's next.



**Powering the
AI era book**

Industrial UPS

Unwavering power for demanding environments: Vertiv™ PowerUPS 6000 Industrial
Vertiv has long been trusted for dependable power protection in critical datacenter infrastructure. Building on this foundation, Vertiv introduces the Vertiv™ PowerUPS 6000 Industrial (6-200kVA) systems, designed to meet the rigorous demands of industrial settings. These UPS solutions deliver the same high reliability Vertiv is known for, now enhanced with advanced capabilities like IP42 protection rating to support Industry 4.0 connectivity and automation requirements. This compact UPS seamlessly integrates into various commercial and industrial applications, delivering uninterrupted power for critical operations, automation, and process controls, even in harsh environments.



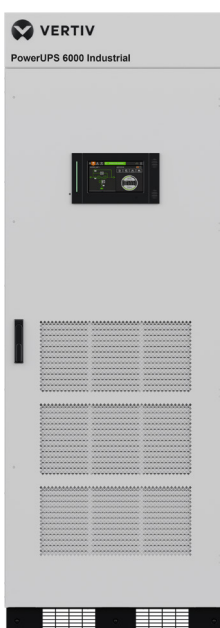
Vertiv™ PowerUPS 6000 Industrial

Vertiv™ PowerUPS 6000 Industrial, 6-200kVA, 400V, single and three phase ups

The Vertiv™ PowerUPS 6000 Industrial UPS system redefines versatility for C&I applications like manufacturing, transportation, logistics, cement, and oil and gas with a compact, single- or three-phase design (6–200 kVA). Engineered for resilience, it delivers high performance in harsh physical and electrical conditions to protect mission-critical infrastructure. This double conversion online UPS provides continuous, stable power and minimizes downtime with features such as IP42 protection, advanced IGBT rectifier technology, and VRLA, Ni-Cd, and Lithium-ion batteries support.



Vertiv™ PowerUPS 6000 Industrial 6-40kVA



Vertiv™ PowerUPS 6000 Industrial 60-120kVA



Vertiv™ PowerUPS 6000 Industrial 200kVA

Key benefits

- **C&I applications:** It is an industrial grade UPS built on decades of global reliability and quality in Commercial & Industrial critical power applications.
- **Optimal performance:** With an IP42 protection rating, it provides high performance even in harsh environmental conditions.
- **Reliable operation:** It is designed for uninterrupted operational continuity with advanced IGBT technology.
- **Compact footprint:** Its space-saving design makes it ideal for tight or space constrained locations.
- **High availability:** Easily scale power capacity to meet growing demands while maintaining flexibility with a variety of compatible battery energy storage solutions.
- **High efficiency:** The Vertiv™ PowerUPS 6000 Industrial delivers remarkable efficiency, which reduces energy consumption and drives greater operational cost savings.

Model	Power rating	Input voltage	Output voltage	Efficiency	Height	Width	Depth	Weight
Vertiv™ PowerUPS 6000 Industrial UPS (6–40 kVA, 1-Phase 220V / 3-Phase 400V)	6–40 kVA / 10–40 kVA	220 V / 400 V	220 V / 400 V	93% / 92%	1710 mm	600 mm	850 mm	410–514 kg / 430–523 kg
Vertiv™ PowerUPS 6000 Industrial UPS (60–120 kVA, Single / three phase)	60–120 kVA	400 V	400 V	97%	2250 mm	800 mm	850 mm	430–523 kg
Vertiv™ PowerUPS 6000 Industrial UPS (200 kVA, 3-Phase 380/400/415V)	200 kVA	380/400/415 V	400 V	97%	2250 mm	1000 mm	850 mm	430–523 kg

Data center & facility 3 phase UPS

High performance 3-Phase power protection for any size data center and other critical applications.



Vertiv™ Liebert® APM2 30-600kW

Introducing a next-generation modular and transformerless UPS design, Vertiv™ Liebert® APM2, a feature-rich high-power density UPS that brings exceptional and innovative features for mission-critical applications. Powered by latest generation three-level IGBT topology in conjunction with Silicon Carbide converter, it delivers an extraordinary double conversion efficiency of up to 97.5% that enables remarkable operational cost savings, reducing both the Total Cost of Ownership (TCO) and the environmental impact.

Best suited for

- Data centers
- Colocation providers
- Hosting providers
- Education
- Fire / alarm / security
- Government
- Healthcare
- Manufacturing
- Telecom
- Transportation



Vertiv™ Liebert® APM2 (30-120kW)



Vertiv™ Liebert® APM2 (60-600kW)

Key benefits (optimized order)

- **Higher capacity and flexible ratings**
30–120 kVA (400V) or
60–300/600 kVA (400V)
- **High efficiency performance**
Up to 99% (ECO mode), 98.8% (Dynamic Online mode), and up to 97.5% (Double Conversion mode)
- **Unity power factor**
Delivers more usable power for critical applications
- **Flexible and scalable architecture**
Modular design enables easy system expansion and adaptability
- **Integrated paralleling capability**
Up to 6 units for increased capacity and redundancy
- **Advanced battery compatibility and management**
 - Intelligent BMS for VRLA and Lithium-ion internal batteries (10–120 kVA)
 - Compatible with external VRLA or Lithium-ion (Vertiv™ EnergyCore Li5/Li7)
- **High-capacity battery charger**
Enables faster recharge and supports energy storage applications
- **High-temperature operation**
Operates up to 50°C (with derating above 40°C), reducing cooling requirements
- **Ease of service and maintenance**
Hot-swappable power modules, bypass modules, HMI, communication modules, and internal batteries
- **Real-time monitoring and predictive maintenance**
Intelligent monitoring with alerts and waveform capture for enhanced visibility and faster response
- **Enhanced protection and compliance**
IP31 rating with CPSS EN50171 and Rail EN50121 certifications
- **Input robustness**
AC input phase reversal detection and automatic correction

Model	Power rating	Input voltage range	Output voltage range	Efficiency	Height	Width	Depth	Weight
Vertiv™ Liebert® APM2 (30–120 kW)	30–120 kW	380/400/415 V (3-phase, 4-wire + N + PE)	380/400/415 V (3-phase + N + PE)	Up to 97% (double conversion); >99% (eco mode)	1600 mm	600 mm	800 mm	380 kg
Vertiv™ Liebert® APM2 (60–600 kW)	60–600 kW	380/400/415 V (3-phase, 4-wire + N + PE)	380/400/415 V (3-phase + N + PE)	Up to 97% (double conversion); >99% (eco mode)	2000 mm	600 mm	800 mm	380 kg

Vertiv™ Liebert® MTP UPS

Introducing Vertiv™ Liebert® MTP UPS, the ultimate power protection solution with its cutting-edge features and high performance, the Vertiv Liebert MTP UPS, is the answer to all your critical power needs. With high efficiency and a compact footprint, the Vertiv Liebert MTP UPS optimizes valuable space while reducing energy costs. With exceptional reliability, this UPS guarantees uninterrupted power to safeguard your critical equipment, preventing costly downtime and data loss. Trust in the power of Vertiv Liebert MTP UPS to elevate your business to new heights of efficiency, productivity, and peace of mind.

Key benefits

- Compact footprint with internal runtime configuration (applicable for up to 40 kVA).
- No need to install external batteries
- Unity output power factor for additional power availability
- Up to 95.5% efficiency in double conversion mode
- Up to 98.5% efficiency in eco mode
- Powerful charging capability in minimum battery recharging time

Parameter	10–20 kVA	30–40 kVA	60–200 kVA
Models	10 / 15 / 20 kVA	30 / 40 kVA	60 / 80 / 100 / 120 / 160 / 200 kVA
Input voltage	380 / 400 / 415 VAC (3-ph.)	380 / 400 / 415 VAC (3-ph.)	380 / 400 / 415 VAC (3-ph., 4-wire) [vertiv.com]
Input voltage range	110–300 VAC (50% load); ~176–276 VAC (100% load)	Same as 10–20 kVA	~176–276 VAC (100% load); extended at partial load
Output voltage	380/400/415 VAC (3-ph.) or 220/230/240 VAC (1-ph.)	380/400/415 VAC (3-ph.)	380 / 400 / 415 VAC (3-ph.)
Efficiency	Up to 95.5% (double conversion) / 98.5% (ECO)	Up to 95.5% / 98.5% (ECO)	Up to 95.5% / 98.5% (ECO)
Input power factor	Up to 0.99	Up to 0.99	Up to 0.99
Output power factor	1.0	1.0	1.0
Frequency range	40–70 Hz	40–70 Hz	40–70 Hz
Battery configuration	Internal batteries supported	Internal batteries supported	External batteries
Topology	Transformer-free, online double conversion	Transformer-free, online double conversion	Transformer-free, online double conversion
Scalability	–	–	Up to 4 units in parallel



Vertiv™ Liebert® EXS Vertiv™ Liebert® ITA2



Further enterprise UPS solutions from Vertiv

Vertiv also offers a complete range of efficient, reliable three-phase UPS systems with up to 60 KVA that can be configured to meet the specific needs of your customers critical applications.

For more information on our three-phase UPS portfolio or your individual project support please contact your Vertiv Channel Account Manager or email us at UKIE.channel@vertivco.com.

You can also find more information on our Website Vertiv.com.

Vertiv™ Liebert® EXS



Optimized and integrated three-phase UPS solution with high efficiency power protection.

10000-15000-20000-30000-40000-60000 VA

Key benefits

- Output power factor up to 1
- Double conversion efficiency up to 96.2%
- ECO mode efficiency up to 99%
- Input current total harmonic distortion correction (THDi) < 3%
- Battery charger up to 13 A
- Integrated manual bypass
- Integrated input and output breakers/switches
- Integrated parallel load bus and synchronization port (LBS)
- Compatible with Lithium-ion batteries (30-60 kVA)

Applications

- IT environment
- Retail and wholesale
- Transportation
- Emergency lighting
- Healthcare
- Government
- Manufacturing
- Energy and utilities
- Financial services
- Media and entertainment
- Transportation and logistics

Technology:	Double-conversion, VFI-SS-111 according to IEC62040-3
Connections:	Three-phase or single-phase output connection (single-phase output for 10-20kVA only), power cables connection from the rear
Communications:	USB port, SNMP/WEB, Modbus and Relay Card optional, Vertiv™ Life™ Services compatible
Options:	Multiple internal battery configurations, external battery cabinets, battery shelves, battery temperature compensation kit, parallel and dual bus cables, communication cards

Available offering:

- Various backup time available based on end user autonomy requested
- Availability of units without batteries in case of an existing UPS replacement
- Parallel cables available to extend power rating up to 4 units and guarantee complete redundancy
- Optional Unity DP card available for remote monitoring
- Wide power range availability: 10-15-20kVA, 30-40kVA, 60kVA

For detailed product configuration please check the pricelist or reach out to emea.partnermarketing@vertiv.com



New UPS and thermal management equipment AC Power - scope of work	Description part number
Integrated extended warranty 1 year on Vertiv™ Liebert® EXS 10/20kVA UPS	ACP-IEW1-8WH-8R8WH-E2
Integrated extended warranty 1 year on Vertiv Liebert EXS 30/40kVA UPS	ACP-IEW1-8WH-8R8WH-E4
Integrated extended warranty 1 year on Vertiv Liebert EXS 60kVA UPS	ACP-IEW1-8WH-8R8WH-E6
Integrated extended warranty premier 1 year on Vertiv Liebert EXS 30/40kVA UPS	ACP-IEWP1-8WH-8R8WH-E4
Integrated extended warranty premier 1 Year on Vertiv Liebert EXS 60kVA UPS	ACP-IEWP1-8WH-8R8WH-E6
Preferred warranty 1 year on Vertiv Liebert EXS 10/20kVA UPS	ACP-WP1-8WH-8R8WH-E2
Preferred warranty 1 year on Vertiv Liebert EXS 30/40kVA UPS	ACP-WP1-8WH-8R8WH-E4
Preferred warranty 1 year on Vertiv Liebert EXS 60kVA UPS	ACP-WP1-8WH-8R8WH-E6
Premier warranty 1 year on Vertiv Liebert EXS 10/20kVA UPS	ACP-WPM1-8WH-8R8WH-E2
Premier warranty 1 year on Vertiv Liebert EXS 30/40kVA UPS	ACP-WPM1-8WH-8R8WH-E4
Premier warranty 1 year on Vertiv Liebert EXS 60kVA UPS	ACP-WPM1-8WH-8R8WH-E6

Vertiv recommends adding Startup Service with each three-phase UPS



Preferred warranty



Integrated extended warranty



**Integrated extended
warranty premier**

Vertiv™ Liebert® ITA2



Remarkable efficiency and flexibility characterize the Vertiv™ Liebert® ITA2 UPS family

10000-15000-20000-30000-40000 VA

Key benefits

- Stand-alone or rack design for installation flexibility
- Doesn't have internal breakers but may use the electrical cabinet power distribution
- Solution with breakers and maintenance bypass is available as a standard option
- Able to deliver both three-phase and single-phase output up to 20kVA
- Ultra-high power density
- 0.99 input power factor for better grid or generator compatibility
- Unity output power factor for additional power availability
- Efficiency in double conversion up to 96.5%
- ECO mode operation with efficiency up to 99% and remarkable energy saving performance

- Powerful charging capability with consequent reduction of the battery recharging time
- Programmable dry contacts
- Programmable output power terminals
- Compatible with lithium-ion batteries

Applications

- IT environment
- Retail and wholesale
- Transportation
- Emergency lighting
- Healthcare
- Government
- Manufacturing
- Energy and utilities
- Financial services
- Media and entertainment
- Transportation and logistics

Technology:	Double-conversion, VFI-SS-111 according to IEC62040-3
Connections:	Three-phase or single-phase output connection, Terminal block on the back of UPS
Communications:	USB port, SNMP/WEB, Modbus and Relay Card optional, Vertiv™ Life™ Services compatible
Options:	battery module, power distribution module, parallel and dual bus cables, Rack installation kit, battery temperature compensation kit, intellislot extender

Available offering:

- Various backup time available based on end user autonomy requested
- Availability of units without batteries in case of an existing UPS replacement
- Availability of units without breakers to reduce costs
- Availability of dedicated modular VRLA batteries with integrated breakers to guarantee backup time
- Availability of dedicated modular Lithium-ion batteries with integrated breakers and modbus communication to guarantee backup time and provide real time information about battery status
- Availability of 1+1 power distribution configuration for parallel units
- Optional Unity DP card available for remote monitoring
- Wide power range availability: 10-15-20kVA, 30kVA, 40kVA

For detailed product configuration please check the pricelist or reach out to emea.partnermarketing@vertiv.com



New UPS and thermal management equipment AC Power - scope of work	Description part number
Integrated extended warranty 1 year on Vertiv™ Liebert® ITA2 10/15/20kVA UPS	ACP-IEW1-8WH-8R8WH-I2
Integrated extended warranty 1 year on Vertiv Liebert ITA2 30kVA UPS	ACP-IEW1-8WH-8R8WH-I3
Integrated extended warranty premier 1 year on Vertiv Liebert ITA2 10/15/20kVA UPS	ACP-IEWP1-8WH-8R8WH-I2
Integrated extended warranty premier 1 year on Vertiv Liebert ITA2 30/40kVA	ACP-IEWP1-8WH-8R8WH-I3
Preferred warranty 1 year on Vertiv Liebert ITA2 10/15/20kVA	ACP-WP1-8WH-8R8WH-I2
Preferred warranty 1 year on Vertiv Liebert ITA2 30/40kVA UPS	ACP-WP1-8WH-8R8WH-I3
Premier warranty 1 year on Vertiv Liebert ITA2 10/15/20kVA	ACP-WPM1-8WH-8R8WH-I2
Premier Warranty 1 year on Vertiv Liebert ITA2 30/40kVA UPS	ACP-WPM1-8WH-8R8WH-I3

Vertiv recommends adding Startup Service with each three-phase UPS



Preferred warranty



Integrated extended warranty



**Integrated extended
warranty premier**

Vertiv™ Liebert® RXA

Suitable for any IT space, the Vertiv™ Liebert® RXA remote power distribution system helps meet high density power demands, with an intelligent monitoring system.

To further enhance scalability, pairing the Vertiv Liebert RXA with our Vertiv™ Liebert® MBX Busway is the perfect match. Thanks to this technology, it's possible to have a flexible system that allows you to easily add new modules.



Vertiv™ Liebert® RXA



Remote Power Panel Vertiv™ Liebert® RXA

For more information on our RPP portfolio or your individual project support please contact your Vertiv Channel Account Manager or email us at UKIE.channel@vertivco.com. You can also find more information on our Website Vertiv.com.

Key benefits

- Reliable uninterrupted power
- High power density
- Available in two ratings
- Flexible and scalable
- Hot-swappable panel board system
- Intelligent oversight with: Vertiv™ Liebert® DPM monitoring system

Applications

- Banking, financial and insurance
- Data center/Colocation/Hosting

High-availability configurations

The flexible Vertiv Liebert RXA is easily configured to accommodate current site needs and future growth.



Vertiv™ Liebert® RXA Single:
328 mm x 603 mm (13" x 24")
| 84pole | 250/400 A

- Wall-mounted
- Back supported by column Unistrut or wire cage



Vertiv™ Liebert® RXA Double:
603 mm x 603 mm (24" x 24")
| 168pole | 250/400 A

- Free-standing
- Drop-in replacement for floor tile



Vertiv™ Liebert® RXA Double:
328 mm x 1207 mm (13" x 48")
| 168pole | 250/400 A

- Wall-mounted
- Back supported



Vertiv™ Liebert® RXA Triple:
603 mm x 932 mm (24" x 37") |
252pole | 250/400 A

- Free-standing
- Panel boards: front rear, one side



Vertiv™ Liebert® RXA Quadruple:
603 mm x 1260 mm (24" x 50") |
336pole | 250/400 A

- Free-standing
- Panel boards: front, rear, both sides

Technology: Smart remote power panel with hot-swappable and finger-safe panelboard with 84 P. Monitoring system embedded.

Connections: USB port, HTTP/HTTPS, Vertiv™ Protocol, SNMP v1/v2c/v3, BACnet IP and Modbus TCP output, BACnet/MSTP and Modbus/RTU

Options: Miniature circuit breakers and panelboard accessories, bottom cable Entry Kit, TVSS (Surge Protection Device), Communication Card, Integrated Monitoring System (liebert DPM)

Vertiv™ Liebert® RXA Specifications

Technical Characteristics	Model / Ratings / Version	Model / Ratings / Version
	Vertiv™ Liebert® RXA 250 A	Vertiv™ Liebert® RXA 400 A
Rated current of the assembly (In)	250 A	400 A
Rated nominal power of the assembly (Pn)	173 kVA @400 V	277 kVA @400 V
Rated and operational voltage (Un) & (Ue)	230/400 V +-5%	
Rated circuit insulation voltage (Ui)	440 Vac	
Rated frequency (fn)	50/60 Hz	
Number of outgoing circuits	max. 84	
Number of poles	3Ph + N + G	
Operating temperature	0° ... +40°C	
Storage temperature	-25° ... +70°	
Display*	Integrated 9" color touchscreen display	
Power Monitoring System*	Liebert® DPM	
Standards		
Environmental	REACH; RoHS; WEEE	
Regulatory	IEC 61439-2	
Mechanical characteristics		
Height	2000 mm / 79"	
Width	603 mm / 24"	
Depth	328 mm / 13"	
Weight (w/o protection devices)	155 Kg	175 Kg
Color	Ral 7021 mate	
Degree of protection (closed/open doors)	IP20	
Front main door type	Lexan window door w/ display	
Second access door type	Safety door w/ direct access to Branch Circuit Monitoring	
Customer communication pins	Top	
Cables entry	Top Bottom (optional)	Top
Cables exit	Top Bottom	Top Bottom
Communication/monitoring*		
Manufacturer	Vertiv Liebert DPM	
Metered values	V, I, cosφ, P, S, THD	
Vertiv Liebert Intellislot card	Yes	
Communication port	Modbus TCP, SNMP, BACnet IP or MSTP, Modbus/RTU, SMS, Email, HTTP/HTTPS and Vertiv Protocol	
Communications card	Vertiv™ Liebert® IntelliSlot™ RDU120	



Figure 1. Vertiv™ Liebert® RXA (second access door view)



Figure 2. Vertiv™ Liebert® RXA (internal view)



Figure 3. Vertiv™ Liebert® RXA without Liebert® DPM monitoring system



Vertiv™ Liebert® DPM

Vertiv™ Liebert® DPM is an intelligent power quality monitoring system that oversees critical power distribution hardware by displaying operation and breaker status, equipment load levels, and power waveforms on a 9" color touchscreen.

Features

Comprehensive Power Monitoring

Measure all critical parameters—voltage, current, power, energy, frequency, and power factor—at mains, subfeeds, and branch circuits. High-quality CTs support accurate measurements, and data is easily accessible on the touchscreen or via export for analysis.

The screenshot shows the 'Normal Operation' status with a green checkmark. Below the status bar is a 'METERING' table with columns for Component, Freq, Voltage L-L (Volts), Current (Amps), Current Power (kW), Peak Curr, and Peak Demand. The table lists data for Input, Transformer, Branch PB 1, Branch PB 2, Subfeed 1, Subfeed 2, and Subfeed 3.

Component	Freq	Voltage L-L (Volts)	Current (Amps)	Current Power (kW)	Peak Curr	Peak Demand
		Ph. A	Ph. B	Ph. C		
Input	60.1	480.0	480.0	480.0		
Transformer	60.1	208.0	208.1	207.9	310.5	308.7
Branch PB 1	0.0	208.0	208.1	207.9	145.59	145.53
Branch PB 2	0.0	208.0	208.1	207.9	74.76	74.76
Subfeed 1	60.1	208.0	208.1	207.9	45.15	45.60
Subfeed 2	60.1	208.0	208.1	207.9	34.04	33.19
Subfeed 3	60.1	208.0	208.1	207.9	29.48	27.71

Intuitive Touchscreen Interface

Color-coded visual and audible alarms, along with interactive one-line diagrams, provide instant visibility. Drill down into metering data, events, and settings for actionable insights at a glance.

The screenshot shows a 'Subfeed Phase Overcurrent' alarm with a red exclamation mark. Below the alarm bar is a 'SUBFEED 1' section with a table of events. The table has columns for Date/Time and Description. The events listed are 'Breaker Tripped' and 'Ph Overcurrent'.

Date/Time	Description
11/24/2025 2:37 PM	Breaker Tripped
11/24/2025 2:37 PM	Ph Overcurrent

Advanced Event & Data Intelligence

Capture and log up to 1,000 power quality events with 1 ms timestamp precision. Continuous sampling delivers accurate efficiency and uptime metrics, enabling proactive management and independent PUE calculation.

The screenshot shows the 'EVENT LOG' section with a table of events. The table has columns for Date/Time, Type, ID, Status, Component, SubComp, and Description. The events listed include 'High Voltage THD: 19%', 'High Voltage THD: 68%', 'Main Shutdown UV: 62V 7...', 'Main Shutdown UV: 19V 54...', 'Neutral Overcurrent: 105A', 'Neutral Overcurrent: 104A', and 'Neutral Overcurrent: 103A'.

Date/Time	Type	ID	Status	Component	SubComp	Description
12/28/2025 19:00:55.000	Fault	135	ON	Input 2		High Voltage THD: 19%
12/28/2025 19:00:55.000	Fault	112	ON	Input 1		High Voltage THD: 68%
12/28/2025 19:00:55.000	Fault	215	ON	Branch PB 1		Main Shutdown UV: 62V 7...
12/28/2025 19:00:55.000	Fault	215	ON	Branch PB 2		Main Shutdown UV: 19V 54...
12/28/2025 19:00:54.105	Alarm	341	ON	Subfeed PB 1	Subfeed 1	Neutral Overcurrent: 105A
12/28/2025 19:00:53.104	Alarm	313	ON	Subfeed PB 1		Neutral Overcurrent: 104A
12/28/2025 19:00:52.103	Alarm	213	ON	Branch PB 2	Branch 2	Neutral Overcurrent: 103A
12/28/2025 19:00:51.102	Alarm	213	ON	Branch PB 1	Branch 1	Neutral Overcurrent: 102A

Load Loss Detection

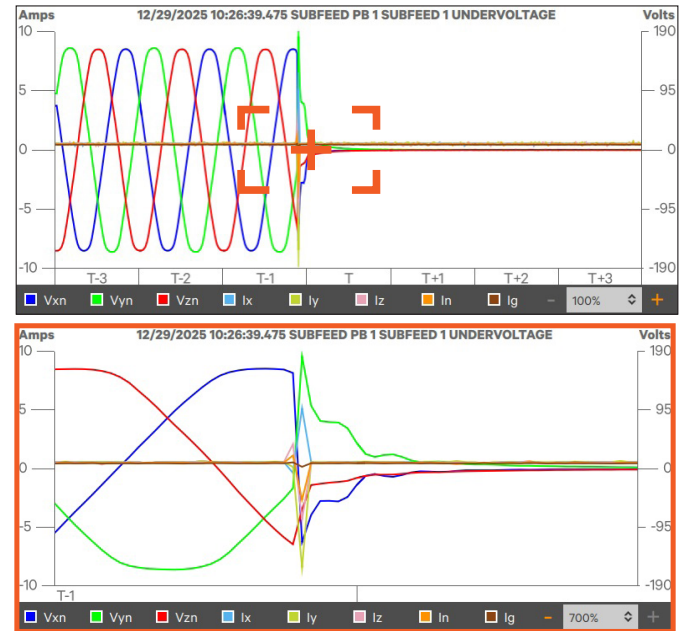
Identify when a downstream component has stopped working or been disconnected with patented load loss detection technology. Clear event notifications help data center teams quickly pinpoint issues and restore normal operation.

The screenshot shows a 'Branch Load Loss Detected' alarm with a red exclamation mark. Below the alarm bar is a 'BRANCH 10' section with a table of events. The table has columns for Date/Time and Description. The event listed is 'Load Loss Detected'.

Date/Time	Description
11/24/2025 4:37 PM	Load Loss Detected

Waveform Capture

Quickly diagnose power quality issues with detailed waveform visibility. When an event occurs, Vertiv™ Liebert® DPM captures seven cycles of the voltage and current waveforms at the fault location. Interactive tools allow for phase filtering, zooming, and panning for precise analysis, and root cause identification.



The top image shows the full waveform view, and the bottom image displays a 700% zoomed-in view of the highlighted region.

Secure & Flexible Communication

Up to two monitoring cards enable reliable communication between Vertiv Liebert DPM and external networks. Support for common protocols including Modbus, BACnet, SNMP, and more supports seamless integration with any BMS or EPMS in the facility.



Vertiv™ Liebert® IntelliSlot™ RDU120

Vertiv™ Product Integration

Vertiv Liebert DPM is purpose-built to seamlessly integrate directly into Vertiv's power distribution products—delivering unmatched compatibility and performance. Available within Vertiv™ PDUs (Vertiv™ Liebert® TFX and Vertiv™ Liebert® PPC) and RPPs (Vertiv™ Liebert® RXV and Vertiv™ Liebert® RXA), Vertiv Liebert DPM provides a unified solution for monitoring and distribution. By owning both the metering technology and the cabinet design, Vertiv offers optimized reliability and a single-source advantage for data center infrastructure.



Vertiv™ Liebert® RXV



Vertiv™ Liebert® TFX



Technical specifications

Supported Vertiv™ PDU Products (Vertiv™ Liebert® TFX & Vertiv™ Liebert® PPC) and Vertiv™ RPP Products (Vertiv™ Liebert® RXV & Vertiv™ Liebert® RXA)

Communication

Monitoring card	RDU120
Protocols	Velocity RS-485, Modbus RS-485, Modbus (IP) TCP, BACnet/MSTP, BACnet IP, SNMP, SMS, HTTP/HTTPS, Email
Cybersecurity certifications	UL2900-1, IEC 62443-4-2
Display	9" Color touchscreen
Alarm annunciation	Audible alarm; visual alarm (3 color LED strip); digital status bar; silence switch
Emergency power off options	Remote EPO; local EPO pushbutton

Monitoring accuracy

Voltage	+/- 0.2%
Amperage	+/- 0.5%
Power	+/- 0.5%
Energy	+/- 0.5%
Frequency	+/- 0.1 Hz

Performance characteristics

Event log	Up to 1,000 events
Event timestamp precision	1 ms
Time synchronization	Via NTP or RDU120
Memory storage	32 MB, battery backed, non-volatile
Input contacts	Two customer contacts (N.O. or N.C.)
Output contacts	Two form C summary alarm contacts (N.O. & N.C.)

Monitored parameters*

Mains and subfeeds

Branch circuits

Apparent power (kVA)	•	
Real power (kW)	•	•
Energy (kWh)	•	•
Peak demand	•	•
Power factor	•	•
Percent load	•	•
Current (Per Phase)	•	•
Peak current (Per Phase)	•	•
Neutral current	•	•
Ground current	•	
Current, THD % and Individual	•	
Current, crest factor (Peak/RMS)	•	
Current, harmonic k-factor	•	
Voltage, L-L, L-N	•	
Voltage, THD % and Individual	•	
Frequency	•	

Power quality

Harmonics analysis	Up to 9th order (voltage and current)
Sampling frequency	128 samples/cycle
Waveform capture frequency	64 samples/cycle
Captured data length	7 cycles
Event triggers	Over/undervoltage, overcurrent, breaker open and trip, manual trigger
Data export	USB or network download as .csv file

*For complete list of monitored parameters, please contact your local Vertiv Sales rep or download the Intellislot Modbus and Bacnet Protocols Reference Guide SL-28170 at Vertiv.com.

Vertiv™ Powerbar Track

Vertiv™ Powerbar iMPB gives data center managers flexibility, control, and peace of mind when changing and adapting to keep pace with hardware requirement demands.



Vertiv™ PowerBar Track

Open track busbar
160A - 1250A, 3PH, 600VAC



Data Center with Vertiv™ PowerBar Track

Data center space can be a dynamic environment. Growth plans and pressures, equipment changes, technology refreshes, and more, drive the need for scalable infrastructure. Building on fixed, inflexible support systems results in additional costs and a real potential for downtime. With capacities ranging from 160A to 1250A and rated for 100% continuous current, this modular busway system offers a variety of output capacity and connection configurations to match IT rack equipment requirements for data centers. The rigid aluminum busway track chassis is IP2X certified and IEC 61439-6 certified. The extendable segments of the open-face busbar track are available in increments ranging from 0.6 to 4 meters. Hot-swappable tap-off boxes provide flush-mounting of NEMA or flush-mounting of IEC standard receptacles for plug-and-play functionality. Having interrupt capacity ratings of 10 to 50 kiloamperes (kA), the tap-off boxes include mechanical and electrical interlocks with a ground-first, break-last feature that supports safe power requirement changes made on the fly without an electrician.

Ideally suited for:

- Data centers of any size
- Facilities with frequent or planned infrastructure changes
- Single- or dual-bus power architectures
- Raised and non-raised floor deployments
- Patents pending:
 - High-amperage open-track busway
 - Multi-stack joint pack
 - Double joint block

Benefits

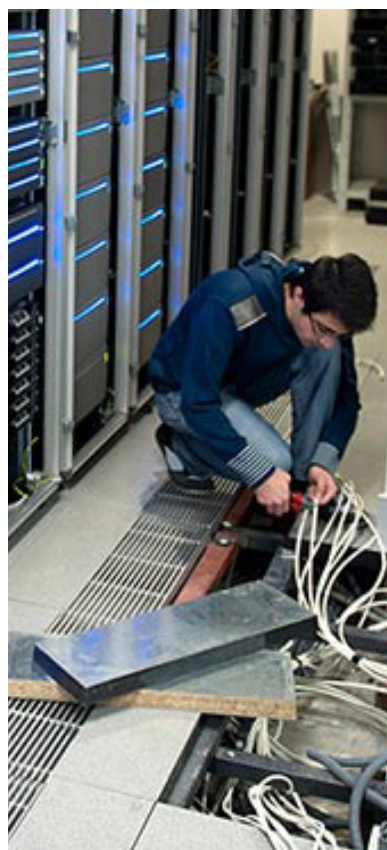
- High power capacity for demanding workloads
- Scalable and flexible power distribution for future growth
- Compact, space-saving design without compromising performance
- Energy efficiency that reduces operational costs
- Reliable performance that supports business continuity
- Modular design
- Innovative high amp open track busbar
- Open-face track allows for tap-off boxes to be placed anywhere along the busbar
- Hot-swappable tap-off boxes keep systems up and running even during changes
- Tap-off boxes have mechanical and electrical interlocks utilizing an earth-first, break-last safety feature

Standard features

- Modular design
- 100% continuous rated busway track
- Copper busway up to 800 A
- Aluminium busway up to 1000 A
- Up to 4 meter lengths as standard. Longer lengths available as specials
- Monitoring cable trough
- IEC 61439-6 compliant

Optional features

- Multiple output receptacles
- Over-sized neutral
- Revenue-grade monitoring
- Customized lengths available



Typical data center with powercables and conduit

Flexible, modular design for easy installation and growth

Vertiv™ PowerBar Track offers advanced metering which allows the user to monitor, integrate and display data center power information via RJ45 Ethernet plug-in connections. Final circuit monitoring is integrated into the busway to measure the total load of the busbar and tap off units. Power calculations of total input power for each busway run can also be provided.

Busway benefits

- Voltage for all three phases
- Current (phase, ground, and neutral)
- kW
- kVA
- kVAR
- Power factor
- kWh

Advanced Options:

- Voltage total harmonic distortion
- Overvoltage/undervoltage alarm threshold
- Minimum and maximum current
- Demand and percentage load current
- Crest factor
- Warning and alarm thresholds



Vertiv™ Powerbar iMPB

Flexibility

- Available in 160, 250, 400, 630, 800, 1000 and 1250A
- Additional information for 1600 and 2500A to be added
- Increases space efficiency and improves airflow
- Easy to change tap-off boxes
- Integrates easily into new or existing data center layouts
- Available in single or dual bus configurations
- Available in a variety of straight lengths

Higher availability

- Hot-swappable tap-off boxes keep systems up and running even during changes
- Fully rated design

Lowest total cost of ownership

- Requires fewer and less expensive power cables
- 15-30% less installation time and cost compared to cables and conduit
- Plug-n-play tap-off boxes connected to rack PDUs can be installed by anyone — no electrician needed

Superior design and materials

- Busway track is solid copper (99.99% conductivity) or aluminum (55% conductivity) for superior electrical performance and corrosion resistance
- Requires no cutting or special tools
- Enclosed aluminum housing guards against incidental contact and contamination to live parts
- Enclosed chassis will not twist or distort during tap-off box installation



Technical specifications

	Copper					Aluminium						
Rated Current (A)	160	250	400	630	800	160	250	400	630	800	1000	1250
Rated Operational Voltage (V)	600	600	600	600	600	600	600	600	600	600	600	600
Rated Insulation Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Short Circuit												
Short Circuit Current Rating (rms symmetrical 1 second) kA	25	25	36	36	35	30	30	30	36	50	50	50
Peak Value (kA)	52.5	52.5	77	77	77	63	63	63	75.6	105	105	105
Short Circuit Conditional Rating (KAIC)	100	100	100	100	100	100	100	100	100	100	100	--
Environmental												
Operating Ambient Temperature	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C
Protection Rating	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE	IP2X, CE
Environmental Standards	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH
Phase Conductor												
Cross Sectional Area (mm ²)	122	122	210	255	320	222	222	222	352.01	806	806	1125.6
Neutral Conductor												
Cross Sectional Area (mm ²)	122	122	210	255	320	222	222	222	352.01	806	806	1125.6
Isolated Ground Conductor												
100% Earth Cross Sectional Area (mm ²)	122	122	210	255	320	222	222	222	352.01	806	806	1125.6
Housing Ground Path												
Cross Sectional Area of 4 Bar System (mm ²)	1761	1761	1761	2222	2222	1014	1014	1014	1073	2939	2939	3493
Cross Sectional Area of 5 Bar System (mm ²)	2025	2025	2025	2543	2543	1151	1151	1151	1210	3341	3341	3971
Overall Dimensions												
Height x Width of 4 Bar System (mm)	44 x 175	44 x 175	44 x 175	52 x 180	52 x 180	50x173	50x173	50x173	59x177	81x200	81x200	104x200
Height x Width of 5 Bar System (mm)	44 x 210	44 x 210	44 x 210	52 x 215	52 x 215	50x205	50x205	50x205	59x209	81x232	81x232	104x232
Weight												
Weight of 4 Bar System (kg/m)	9.45	9.45	14.2	19.4	23.2	8	8	8	10	17	17	22.7
Weight of 5 Bar System (kg/m)	11.81	11.81	17.75	24.25	29.0	10	10	10	13	21	21	27.72
Resistance (R)												
Resistance (mΩ/m) @20°C	0.161	0.167	0.096	0.89	0.065	0.165	0.165	0.165	0.101	0.05	0.05	0.037
Reactance (X)												
Reactance (mΩ/m) at 50Hz	0.131	0.114	0.088	0.094	0.089	0.087	0.098	0.105	0.081	0.062	0.063	0.049
Impedance (Z)												
Impedance (mΩ/m) at 50 Hz at 20°C	0.208	0.202	0.130	0.129	0.110	0.187	0.192	0.196	0.129	0.08	0.062	0.062
Voltage Drop at Full Load 50Hz												
Power Factor = 0.7 (V/m)	0.061	0.094	0.103	0.168	0.177	0.052	0.087	0.152	0.166	0.122	0.156	0.148
Power Factor = 0.8 (V/m)	0.062	0.097	0.105	0.170	0.175	0.055	0.091	0.158	0.171	0.121	0.155	0.147
Power Factor = 0.9 (V/m)	0.062	0.097	0.103	0.167	0.168	0.056	0.092	0.16	0.171	0.116	0.148	0.14
Power Factor = 1.0 (V/m)	0.051	0.084	0.085	0.136	0.127	0.05	0.081	0.143	0.147	0.087	0.112	0.104

DC Power

Vertiv™ DC power systems provide scalable and high-performance power delivery for critical digital infrastructure, supporting the growing demands of AI, cloud, and high-density data center environments.

Designed to convert and distribute power as stable DC output directly at the rack level, these solutions reduce conversion losses, streamline architecture, and enable optimized power utilization.



Vertiv™ PowerDirect 3000 33kW, OCP ORV3 HPR - 50 VDC Power System

The modular Vertiv™ PowerDirect Rack, 50V DC power system provides up to 132 kW (2640 amps at 50 volts DC) per rack via high efficiency power supply units rated at 5500 watts (110 amps) each. Each power shelf takes up one open rack unit of height. It's rated at 33 kW and can house six 5.5 kW high efficiency power supply units. The PSUs are hot pluggable and can be added in an operating system without any interruption. Also, new power shelves can be added live when more power is required.

Key benefits

- **High power density:** It delivers 33kW (660A at 50V DC) per 1U shelf, maximizing rack space for high-density AI, cloud, and hyperscale computing.
- **Seamless scalability:** It supports hot-pluggable expansion, allowing additional power shelves and PSUs without disrupting live operations.
- **High efficiency:** It operates at 97.5% peak efficiency, reducing total heat loss and power consumption for lower operational costs.
- **ORV3 HPR compliant:** It is optimized for ORV3 High Power Rack (HPR) compliance that allows seamless integration into Open Compute infrastructure.
- **Flexible power input range:** It supports both AC and HVDC input, which enables versatile deployment across different power architectures with the same power system.

48 PSUs. Ideal for high-capacity server setups, it maximizes power efficiency and minimizes space requirements.



*Vertiv™ PowerDirect 3000 33kW, OCP
ORV3 HPR - 50 VDC Power System*

Best suited for

- Banking, financial and insurance
- Data center/ colocation/hosting
- Education
- Government
- Healthcare
- Telecom

Technical specifications

Input	PSS503319N2 / PSS503319N2RR	PSS503319N3 / PSS503319N3RR
Voltage, shelf and power supply unit	3P+N+PE (311 to 457VAC) / 3P+PE (180 to 260VAC) / L+N (176 to 305VAC)	3P+N+PE (311 to 457VAC) / 3P+PE (180 to 260VAC) / L+N (176 to 305VAC)
Frequency	45 to 65 Hz	45 to 65 Hz
Efficiency	>96.5% @ 50-100% load (240VAC input)	>96.5% @ 50-100% load (240VAC input)
Power factor	>0.96 @ 20-50% load, >0.99 @ 50-100% load, 240VAC	>0.95 @ 20-50% load, >0.99 @ 50-100% load, 240VAC
iTHD	<8% @ 20-50% load, <5% @ 50-100% load, 240VAC	<8% @ 20-50% load, <5% @ 50-100% load, 240VAC
Output capacity		
Voltage	50 VDC at no load, 49 VDC at 100% load, 48.5 VDC at 150% load	50 VDC at no load, 49 VDC at 100% load, 48.5 VDC at 150% load
Current, shelf	700A	700A
Current, power supply unit	112A at 49.0 VDC (5500 watts maximum)	112A at 49.0 VDC (5500 watts maximum)
Hold up time	20 ms @100% load	20 ms @100% load, 150J energy reserve
Protection capacity		
Over-voltage	Each power supply unit will automatically latch off, should its output voltage exceed 52.5V for 200 ms or instantaneously exceed 54V	Each power supply unit will automatically latch off, should its output voltage exceed 52.5V for 200 ms or instantaneously exceed 54V
Over-current	≤180%, ≤0.5 ms	≤180%, ≤0.5 ms
	≤150%, ≤50 ms	≤150%, ≤50 ms
	100%, continuous	100%, continuous
Over-temperature	Each power supply unit will automatically shut down if the internal temperature of the module exceeds a predetermined value. Operation will automatically resume after the over-temperature condition is removed.	Each power supply unit will automatically shut down if the internal temperature of the module exceeds a predetermined value. Operation will automatically resume after the over-temperature condition is removed.
Internal fault on output	Each power supply unit contains an output blocking (ORing) circuit which prevents an internal fault in the unit from affecting the bus voltage.	Each power supply unit contains an output blocking (ORing) circuit which prevents an internal fault in the unit from affecting the bus voltage.
Controller		
Communication ports	1xEthernet, 1xCAN, 1XVCOM, 3xI2C	1xEthernet, 1xCAN, 1XVCOM, 3xI2C
Protocol	Northbound IPMI, Redfish, SNMP ; Southbound PMBus, SMBus	Northbound IPMI, Redfish, SNMP ; Southbound PMBus, SMBus
Physical characteristics - Dimensions (H x W x D), Weight		
Power supply unit	40 x 68 x 640 mm, <4kg	40 x 68 x 640 mm, <4kg
Power controller	37.9 x 15.9 x 442.6 mm, <2kg	37.9 x 15.9 x 442.6 mm, <2kg
Product: Power shelf	1RU x 448 x 839.5 +/- 1.5 mm, 5kg (excl PSUs)	1RU x 448 x 839.5 +/- 1.5 mm, 5kg (excl PSUs)
Environmental		
Storage temperature	-40°C to +75°C	-40°C to +75°C
Operating temperature	-5°C to +45°C	-5°C to +45°C
Humidity	5% to 95% relative humidity, non-condensing	5% to 95% relative humidity, non-condensing
Altitude	0 to 3000m with no derating	0 to 3000m with no derating
EMC	FCC Part 15, Subpart B, Class A and EN55032 for radiated and conducted noise	FCC Part 15, Subpart B, Class A and EN55032 for radiated and conducted noise
Safety compliance	UL 62368-1, IEC 62368-1, EN 62368-1, RoHS	UL 62368-1, IEC 62368-1, EN 62368-1, RoHS



Vertiv™ PowerDirect 3000, 33kW Power Shelf for NVIDIA GB200 and NVIDIA GB300 platforms

The Vertiv™ PowerDirect 3000, 50VDC 33kW power systems deliver high-efficiency and reliable DC power for AI deployments. They support hyperscalers and system integrators with validated AI infrastructure that integrates with busbar and liquid cooling architectures. These power shelves are also backed by Vertiv's global data center expertise as part of a comprehensive infrastructure solutions portfolio.

Key benefits

- **High power density**
Delivers up to 33 kW per shelf in a compact 19-inch, in-rack form factor, enabling more power in less space to support high-performance, space-constrained deployments.
- **High conversion performance**
Provides advanced DC power conversion for rack-level deployment, supporting optimized power utilization and reduced losses.
- **Accelerated AI rack deployment**
Enables faster and more cost-efficient deployment of hyperscale and AI infrastructure through modular, scalable design.
- **Global deployment-ready**
Supports multi-region rollout with Vertiv's localized manufacturing, service, and support network for data center infrastructure.
- **DC power & 800 VDC roadmap integration**
Aligns with Vertiv's roadmap for scalable, AI-ready data centers, integrating with advanced thermal management and power distribution solutions.



Vertiv™ PowerDirect 3000, 33kW Power Shelf for NVIDIA GB200 and NVIDIA GB300 platforms

Best suited for

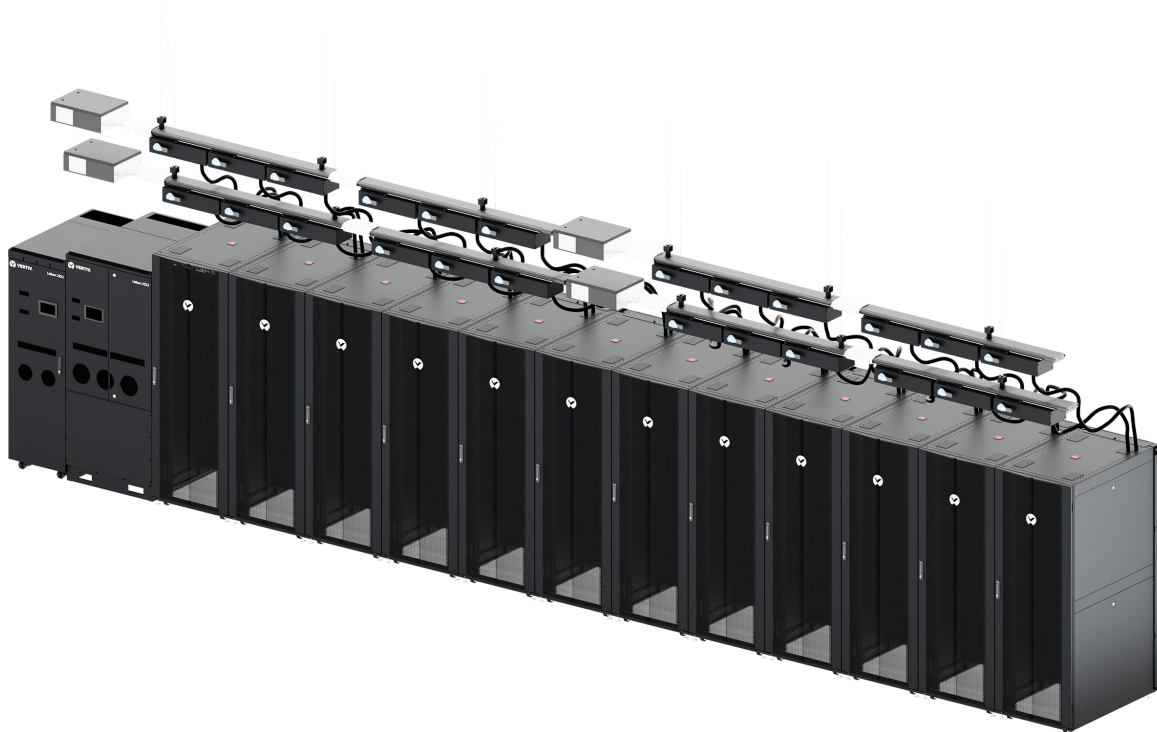
- Banking, financial and insurance
- Data center/ colocation/hosting
- Education
- Government
- Healthcare
- Telecom

Technical specifications

Product overview	Part number
Power capacity	33kW
Current capacity	Current, shelf: 700A Current, power supply unit: 112 amps at 49.0 VDC (5500 watt maximum)
Output voltage, nominal	50 VDC at no load
Input voltage, nominal	3P+N+PE (311 to 457VAC) / 3P+PE (180 to 260VAC) / L+N (176 to 305VAC)
Input	
Input voltage, nominal	3P+N+PE (311 to 457VAC) / 3P+PE (180 to 260VAC) / L+N (176 to 305VAC)
Output	
Output voltage, nominal	50 VDC at no load

Comprehensive IT Solutions

Optimising technology and performance needs for IT applications. Our integrated platform provides standard and specific, custom solutions. Our family of racks enables cable management, power distribution, ventilation or sophisticated precision air conditioning solutions. Each of our products meets the strictest standards for durability and safety. Contact the Vertiv team for modular designs for data centers of any type or dimensions.



Vertiv™ 360AI Retrofit Design 12XL1200E



Vertiv™ SmartCloset™

Product type

Vertiv

Environmental monitoring	✓
Racks	✓
PDU's	✓
IT management	✓
Rack management software	✓
Serial consoles	✓
KVM & displays	✓
Out-of-band w/ cellular	✓
UPS / backup power	✓
Cooling	✓
Comprehensive service	✓
OEM remote monitoring (Vertiv (TM) Life (TM) Services)	✓

Rack product

Benefit

Vertiv™ VR Rack	The Vertiv VR rack with all the flexibility you need for an easy installation.
Vertiv™ Liebert™ GXT5 Lithium Ion	UPS Uninterruptable Power Supply unit with new Lithium-Ion battery technology to maintain power to the rack IT in all circumstances
Vertiv™ Liebert™ CRV	Rack cooling solution to keep the rack IT equipment within operational temperatures with minimal footprint and high efficiency
Vertiv™ Geist™ rPDU	Provide reliable power distribution to critical rack IT equipment with wide variety of supported receptables and monitoring
Vertiv™ Avocent® DSView™ Solution	Vertiv's powerful solution portfolio to locally or remotely access and manage all your attached IT devices.
Service	Vertiv's service offering ensures that systems remain continuously available and with reduced costs.

Accelerate your AI development with Vertiv™ 360AI

Optimising technology and performance needs for IT applications. Our integrated platform provides standard and specific, custom solutions. Our family of racks enables cable management, power distribution, ventilation or sophisticated precision air conditioning solutions. Each of our products meets the strictest standards for durability and safety. Contact the Vertiv team for modular designs for data centers of any type or dimensions.



Vertiv™ 360AI Retrofit Design 5L500E

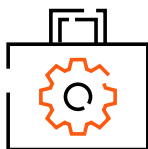
Vertiv™ pre-engineered AI solutions

Within the Vertiv™ 360AI solutions portfolio, Vertiv's pre-engineered AI solutions offer an easier and faster option for our customers to deploy AI infrastructure.



Reduce deployment time up to 50%

Pre-engineered solutions can eliminate design work reducing deployment time up to 50%.



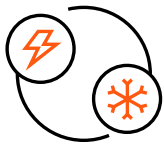
Unmatched expertise & support

Support throughout the process from assessment and design, to deployment and lifecycle management.



Broad range and flexible deployment methods

Solutions available from Edge Inferencing to AI Data centers with options ranging from a high-density rack solution, to large prefabricated modular data centers.



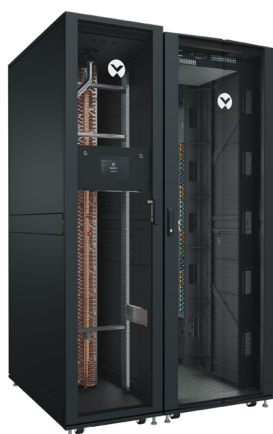
Interoperability and seamless operation

Vertiv can meet both the power and cooling demand of AI, and each solution is built from the most complete portfolio of power and cooling solutions in the industry.

Kickstart AI deployments with pre-engineered solutions, optimized for retrofits

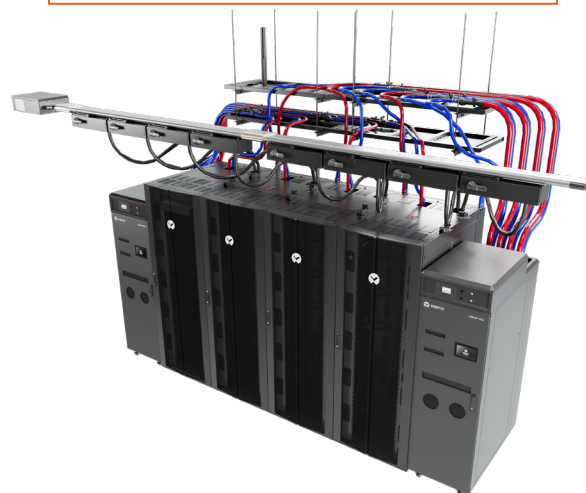
Pre-engineered solutions can scale from Vertiv™ Edge Inferencing to training and AI at scale.

AI test environments, training pilots,
or edge inferencing



Vertiv™ VR Rack with Vertiv + Vertiv™ PowerIT Switched rPDU + Vertiv™ CoolChip CDU 121

AI labs, transitions to AI data centers



Vertiv™ 360AI Retrofit Design 4XL400E

Technology summary

Solution model number

Racks

Density per rack



AI test environments, training pilots or edge inferencing

Small HPC/AI for minimal retrofit	1L88RE	1	88 kW
Small HPC/AI for CW cooling systems	1L100RE	1	100 kW
Modular Building Block for HPC/AI	1XL115E	1	115 kW



AI labs, transition to AI data center

Mid-sized HPC/AI (room neutral)	4XL400E	4	100 kW
Mid-sized HPC/AI	5L500E	5	100 kW



Prototype AI factory

Large-scale HPC/AI (room neutral)	12XL1200E	12	100 kW
Large-scale HPC/AI	14L1400E	14	100 kW

Note: Full cooling capacity may require supplemental cooling capacity from air or other system, as direct-to-chip liquid cooling technology uses cold plates that do not remove 100% of heat from servers.

Availability varies by region, contact Vertiv for details. The images shown are for representation and may not be an exact representation of the product.

[Learn More](#)

Prototype AI factory and training



Vertiv™ 360AI Retrofit Design 14L1400E

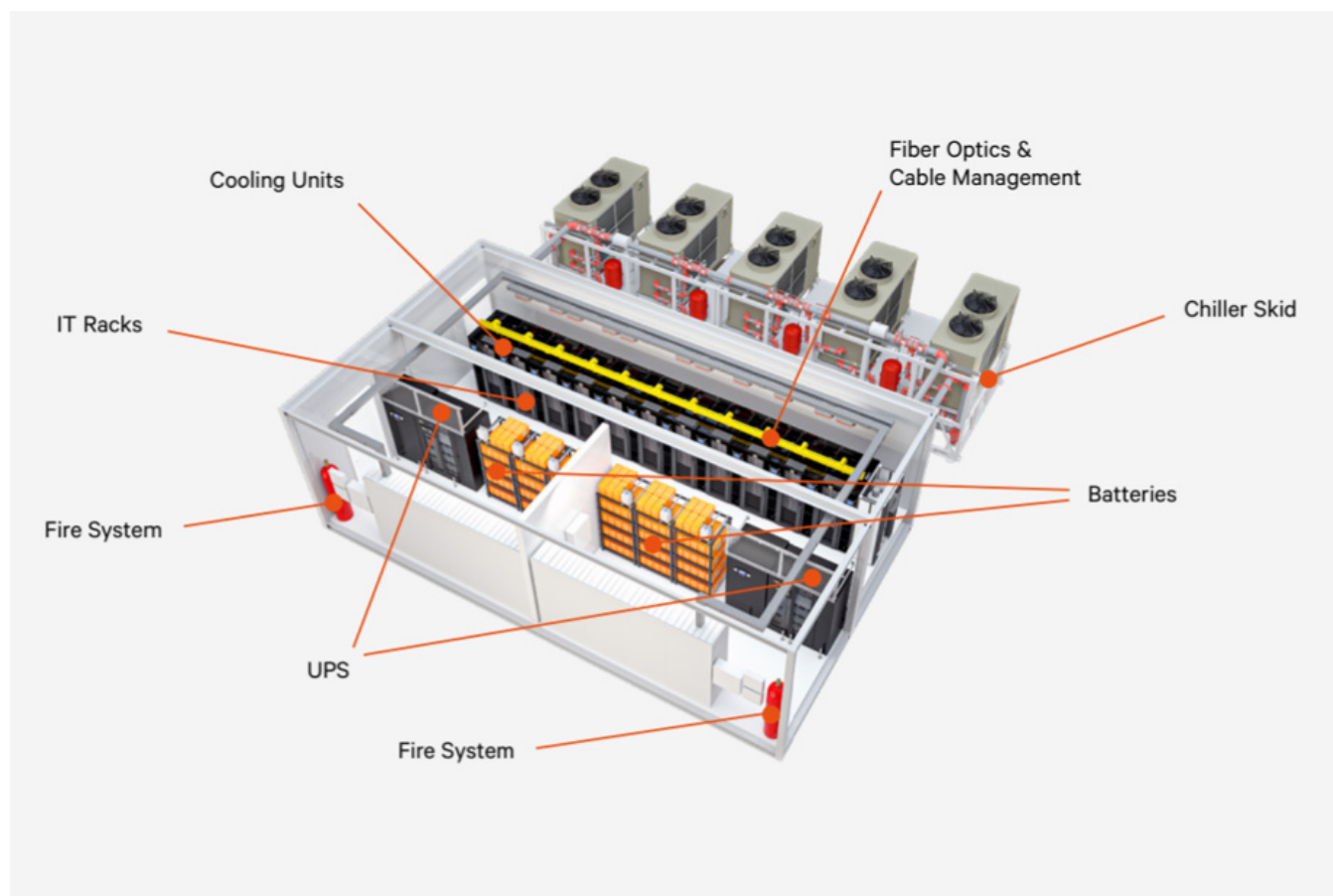
Greenfield / Brownfield	Heat removal		Chiller included
	From server	From room	
Brownfield		 Air	-
Brownfield		 Water / glycol	-
Brownfield / Greenfield	 + 	 Water / glycol	-
Brownfield / Greenfield	 + 	 Water / glycol	-
Brownfield		 Water / glycol	-
Brownfield / Greenfield	 + 	 Water / glycol	-
Brownfield / Greenfield		 Water / glycol	-

Deploy a full AI data center with the Vertiv™ SmartMod™ HDX

The Vertiv™ SmartMod™ HDX provides everything you need to get started with a fully equipped modular data center for AI, and can be deployed without disturbing existing IT workloads.

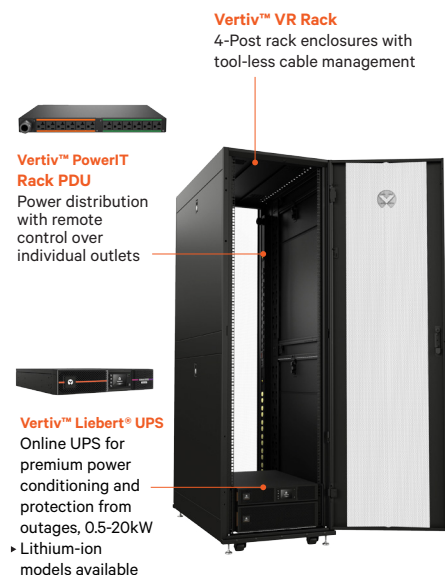
It features a simple, scalable data center design that uses pre-engineered Vertiv building blocks to create a full solution, consisting of the Power Module, IT Hall, and Chiller Skid for heat rejection.

In addition, Vertiv also can provide end-to-end services for a smooth startup and ongoing operations, including deployment, commissioning, ongoing maintenance, spare parts, and ongoing training.





Vertiv™ SmartCloset™



Vertiv™ SmartCloset™ is a complete solution curated by Vertiv experts to enable rapid and efficient IT deployments at the Edge. The Vertiv SmartCloset brings together Vertiv™ VR Rack, Vertiv™ Liebert® UPS, and Vertiv™ PowerIT rPDU in one easy-to-order product providing the infrastructure required to support mission critical business operations.

Key benefits

- Simplify IT deployments in Edge applications with pre-validated models
- Increase deployment speed for critical IT with in-stock components
- Reduce management complexity by seamlessly integrating infrastructure devices into your IT network for 24/7 remote management capabilities
- Reduce the risk of incompatible products by selecting standardized solutions validated by leading IT vendors

Applications:

- Education Government Healthcare Retail and Wholesale Telecom

Model number	Available space	Max IT Load (Watts)	UPS type	UPS input	Available UPS outlets	PDU type	Available PDU outlets	Environmental monitoring
VSC42EX30PLANN	40U	2700	Edge	IEC60320-C20	3 + 3 x IEC60320-C13 1 x IEC60320-C19	-	-	-
VSC42EX30PLAMV	40U	2700	Edge	IEC60320-C20	3 + 3 x IEC60320-C13	Monitored	18 x IEC60320 C13 2 x IEC60320 C19	-
VSC42EX30PLASV	40U	2700	Edge	IEC60320-C20	3 + 3 x IEC60320-C13	Switched	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19	GTHD Sensor
VSC42EX30PLINN	40U	2700	Edge Lithium-ion	IEC60320-C20	3 + 3 x IEC60320-C13 1 x IEC60320-C19	-	-	-
VSC42EX30PLIMV	40U	2700	Edge Lithium-ion	IEC60320-C20	3 + 3 x IEC60320-C13	Monitored	18 x IEC60320 C13 2 x IEC60320 C19	-
VSC42EX30PLISV	40U	2700	Edge Lithium-ion	IEC60320-C20	6 IEC60320 C13	Switched	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19	GTHD Sensor
VSC42EX30GLANN	40U	3000	GXT5	IEC60320-C20	6 x IEC60320-C13 1 x IEC60320-C19	-	-	-
VSC42EX30GLAMV	40U	3000	GXT5	IEC60320-C20	6 x IEC60320-C13	Monitored	18 x IEC60320 C13 2 x IEC60320 C19	-
VSC42EX30GLASV	40U	3000	GXT5	IEC60320-C20	6 x IEC60320-C13	Switched	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19	GTHD Sensor
VSC42EX30GLINN	40U	2700	GXT5 Lithium-ion	IEC60320-C20	6 x IEC60320-C13 1 x IEC60320-C19	-	-	-
VSC42EX30GLIMV	40U	2700	GXT5 Lithium-ion	IEC60320-C20	6 x IEC60320-C13	Monitored	18 x IEC60320 C13 2 x IEC60320 C19	-
VSC42EX30GLISV	40U	2700	GXT5 Lithium-ion	IEC60320-C20	6 x IEC60320-C13	Switched	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19	GTHD Sensor
VSC42EX50GLANN	37U	5000	GXT5	Hardwire	Hardwire 6 x IEC60320-C13 2 x IEC60320-C19	-	-	-
VSC42EX50GLAMV	37U	5000	GXT5	Hardwire	Hardwire 6 x IEC60320-C13 1 x IEC60320-C19	Monitored	18 x IEC60320 C13 2 x IEC60320 C19	-
VSC42EX50GLASV	37U	5000	GXT5	Hardwire	Hardwire 6 x IEC60320-C13 1 x IEC60320-C19	Switched	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19	GTHD Sensor

Each model includes a 42U x 600mm wide 4 post rack enclosure (VR3100), cable management accessories (VRA1014, VRA1005), and communications card (IS-UNITY-SNMP or RDU101).

Vertiv™ SmartCabinet™ ID

Vertiv believes in a world where critical technologies always work. One of the biggest challenges in industrial environments is extreme conditions with dust, dirt, humidity, and temperature fluctuations.

The Vertiv™ SmartCabinet™ ID has been designed with IP54* environmental protection for these challenging environments where dirt and humidity could severely impact system performance and life expectancy. By isolating the IT equipment housed inside the rack, the Vertiv SmartCabinet ID provides full protection and peace of mind to IT system managers.



High efficiency cooling

Designed with an inverter compressor, the cooling unit provides 0-100% capacity modulation, to match cooling capacity with the IT load of the system and allowing for expansion within the rack as well as future growth of your business.



Monitor and control

The 9" HMI display comes standard with state of the art communication capabilities, providing Single Pane Of Glass monitoring locally and remotely giving all stakeholders instant access to critical data.



Added protection for less secure environments

When your business depends on the data being managed by the IT equipment, security is a top priority. It keeps your data secured with intelligent locks and an emergency backup fan for added peace-of mind.



Enhance your solution with compatible Vertiv products

The Vertiv SmartCabinet ID delivers a full and robust IT solution when utilizing the Vertiv™ Liebert® GXT5 UPS and select Vertiv™ Geist™ Intelligent rPDUs (UPS and rPDU sold separately).



More features with fewer headaches

Feature-packed rack

The new Vertiv™ SmartCabinet™ ID comes standard in 24U or 42U options, has a large glass door to view equipment, and an integrated 9" touchscreen display for continuous monitoring. With IP54 protection and door locks, the Vertiv SmartCabinet ID eliminates the need to design and build a separate conditioned and secure IT space.

Flexible heat rejection

The heat rejection unit can be mounted outdoors, next to the rack, or even on the roof of the rack. With multiple mounting options, install the Vertiv SmartCabinet ID in a wide range of applications!

Integrated power management

Pre-integrated with a Power Management Block (PMB), the Vertiv SmartCabinet ID provides power to both the indoor evaporator and outdoor condenser.

The PMB can be powered through facility cable or through a UPS for added reliability and extra run-time!

Space-saving cooling

Highly efficient and cost effective cooling, packed into a confined space without utilizing any U-Space! Choose between two options: 3.5kW and 7.0kW.

*IP54 - Ingress Protection class according to IEC 60529: Protection against dust (5) and splashing water (4)



Fully sealed micro data center with integrated cooling

VS3350I ZCL03C

42U, 3.5kW cooling capacity

VS3354I ZCL03C

24U, 3.5kW cooling capacity

VS3750I ZCL07C

42U, 7.0kW cooling capacity



Outdoor heat rejection

Provide proper temperature control inside the rack with outdoor heat rejection. And with the option to mount the condenser on the roof of the rack, added flexibility is built in.



Zero-U cooling solution

The Zero-U cooling solution maximizes the investment in your business by utilizing the full cabinet, allowing for more IT equipment to be installed.



Integrated power distribution

Enable your IT investment to stay protected and online by installing a rack PDU on the pre-integrated mounting brackets. For added visibility, choose from select intelligent Vertiv™ Geist™ rPDU models that are compatible with the integrated HMI display (rPDU's sold separately).



Protect your investment with service offerings from Vertiv

We are here to support you with service solutions for your critical infrastructure and to secure that your vital applications always work. From thermal management to power and power distribution, the Vertiv™ SmartCabinet™ ID has a full suite of service offerings to help protect your investment and your business.



Fully sealed rack

IP54 rating protects mission-critical IT equipment from dust and water, providing a longer life to the equipment and peace of mind to business owners.



HMI display with built-in communications

Easy remote access for monitoring and management of power, thermal conditions, and unit security, allowing for more precise control over your most valuable assets.



Emergency backup power

Reliable backup operations in the event of utility power failure through the use of the Vertiv™ Liebert® GXT5 UPS (sold separately).



Scan to view in the Vertiv™ XR App

For more information, visit [Vertiv.com](https://www.vertiv.com) or contact your local Vertiv sales representative.

Technical specifications

Vertiv™ SmartCabinet™ ID		42U, 3.5kW cooling capacity	24U, 3.5kW cooling capacity	42U, 7.0kW cooling capacity
SKU	Cabinet	VS3350I	VS3354I	VS3750I
	Condenser	ZCL03C	ZCL03C	ZCL07C
Size	Width	800 mm	800 mm	800 mm
	Depth	1200 mm	1200 mm	1200 mm
	Height	2000 mm	1200 mm	2000 mm
Load rating	Static load	1300 kg	1300 kg	1300 kg
	Dynamic load	1000 kg	1000 kg	1000 kg
Ingress protection class according to IEC 60529		IP54	IP54	IP54
Rack unit space		42U	24U	42U
Cooling				
Rated cooling capacity*		3.5 kW	3.5 kW	7.0 kW
Capacity modulation range		0 to 100%	0 to 100%	0 to 100%
Nominal air flow		750 m³/h	750 m³/h	1500 m³/h
Coefficient of performance (COP), $W_{cooling}/W_{electrical}$		2.9	2.9	2.9
Sound pressure (at 2m)		< 63 dB(A)	< 63 dB(A)	< 66 dB(A)
Condensing unit				
Size	Width x Depth x Height	1163 mm x 282 mm x 527 mm	1163 mm x 282 mm x 527 mm	990 mm x 355 mm x 1000 mm
	Weight	68 kg	68 kg	106 kg
Compatible UPS (sold separately)				
Input power	Voltage	230V, 1 phase, 50Hz		230V, 1 phase, 50Hz
	Plug	IEC60309 2P+E, 32A, splashproof IP44		without plug (hardwired to customer's electric switchboard)
	Cable length	5 m outside of the cabinet (input on top)		5m outside of the cabinet (input on top)
Outlet sockets	Number in total	8 (2x C19, 6x C13)		8 (4 x C19, 4x C13)
	Number of free	7 (1x C19, 6 x C13)		8 (4 x C19, 4x C13)
	Used for PDUs	1 x C19		0 (hardwired PDU to UPS)
Compatible PDU (sold separately)				
Total current		16A	16A	32A
Voltage		200 to 240 V	200 to 240 V	200 to 240 V
Frequency / phase		50 Hz single phase	50 Hz single phase	50 Hz single phase
Height inside the cabinet		1683mm	864 mm	1683mm
Outlet sockets	Number in total	24	12	24
	Type	Combi C13/C19	Combi C13/C19	Combi C13/C19
Monitoring	Input monitoring	Phase (A) monitoring (kWh, W, VA, PF, V, A)	Phase (A) monitoring (kWh, W, VA, PF, V, A)	Phase (A) monitoring (kWh, W, VA, PF, V, A)
	Outlet monitoring	Outlet monitoring (kWh, W, VA, PF, V, A)	Outlet monitoring (kWh, W, VA, PF, V, A)	Outlet monitoring (kWh, W, VA, PF, V, A)
	Residual current metering	Phase (A)	Phase (A)	Phase (A)
	Circuit monitoring	No	No	Circuit / breaker monitoring (A)
Residual Current Metering (RCM)	Type B	Yes	Yes	Yes
Environmental specifications				
Cabinet temperature		0 to 45 °C	0 to 45 °C	0 to 45 °C
Evaporator temperature		18 °C to 45 °C	18 °C to 45 °C	18 °C to 45 °C
Low ambient condensing unit temperature		-35 °C to 48 °C	-35 °C to 48 °C	-35 °C to 48 °C
Ambient storage temperature		-40 °C to 70 °C	-40 °C to 70 °C	-40 °C to 70 °C
Ambient humidity		For Cabinet: 5% RH to 90% RH (no condensation). For Evaporator: 17% RH to 60% RH. For Storage: ≤ 95% RH at 40 °C		
Altitude		1000m without derating. Contact Vertiv for derating up to < 3000 m		



Vertiv™ SmartAisle™

The Vertiv™ SmartAisle™ is a Pre-Engineered Edge Data Center complete with power, cooling, and all the critical pieces required to assist data center availability.

It acccelerates the deployment process by reducing planning, build, and overall deployment time.

Edge deployment challenges

Adding compute capacity at the Edge can be a long and complicated process for IT and Facility leaders.

How Vertiv™ solutions simplify deployment

Pre-engineered systems simplify edge deployments with a repeatable and scalable solution, enabling business agility for future growth.



Time consuming process



Accelerate deployments

Accelerate the deployment process by reducing planning, build, and overall deployment time.

Hidden costs



Reduce costs

Reduce costs associated with planning, construction and renovation and make the budget for the project more predictable.

Cooling capacity



Integrated cooling

Many solutions offer integrated cooling and containment to maximize cooling capacity and energy efficiency in the space.

Power upgrades



Pre-Integrated power distribution

Solutions can include Busway, UPS battery backup, surge protection, and pre-integrated power distribution to IT rack enclosures to simplify installation and commissioning.

Management



Remote management

Standardized, single-vendor solutions include remote management options to simplify environments.

Sustainability



Contained in-row cooling

Contained systems with dedicated cooling are proven to reduce cooling energy use and carbon emissions by as much as 30%.

Vertiv is a global leader in data center power and cooling solutions.



It is time to rethink the traditional process

Traditional room build



Racks



Power



Cooling

Complex process

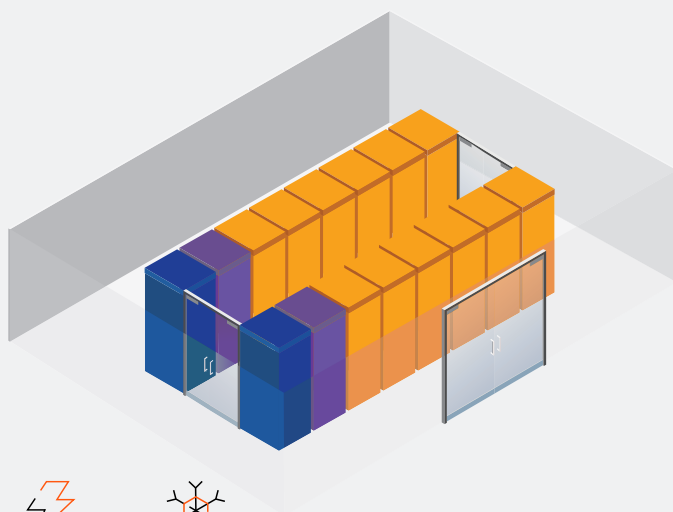
Months of planning, design, procurement, legal permitting, and consulting go into creating custom designs for a room build or upgrade. It takes months for each deployment, and each room is typically repeated all over again for every location.

Planning and labor consume

50%

of the deployment cost

Vertiv™ SmartAisle™



Racks



Power



Cooling

What's included

- Sealed racks
- In-Row cooling
- Power distribution & UPS
- Fire suppression
- Physical security

Pre-Engineered systems eliminate most of the design and planning that goes into Vertiv™ Edge deployments.

Technical specifications

Model	SA_RD#1	RD#2	RD#3	RD#4
General description				
Designed IT load (kVA)	60	90	120	150
Number of IT racks	8		11	
Average IT load per rack (240V)	7.4	11.04	10.7	13.5
Nominal input voltage	380/400/415 V (3P/N/PE)			
Nominal input frequency	50/60 Hz			
Redundancy level	N+1	N+1	N+1	N+1
Dimension (WxHxD), mm	5400x2150x3600	6000x2150x3600	5900x2150x3600 (aisle) 2200x2000x1000 (ups)	6900x2150x3000 (aisle) 3000x2000x1000 (ups)
Dimension (WxHxD), mm (including service passages)	7800x2150x5200	8400x2150x5200	8300x2150x5200 (aisle) 2800x2000x2000 (ups)	9300x2150x5200 (aisle) 3000x2000x2000 (ups)
Finish/color	Visible surface of covers RAL 7021 dark-grey			
Weight (Kg)	4,858.22	5,447.22	7,262.18	9,472.91
UPS system				
UPS model	Vertiv™ Liebert® APM2 30-120 kW		Vertiv™ Liebert® APM2 60-300 kW	
Module capacity	30 kVA		60 kVA	
Number of modules	3	4	3	4
Deployed capacity	90 kVA	120 kVA	180 kVA	240 kVA
Dimension (WxHxD), mm	600x1600x800 mm		600x2000x900 mm	
Weight (Kg)	455	480	399	437
Battery cabinet				
Battery runtime (EOL)	15 min	11 min	15 min	15 min
Weight	106 kg			
Battery type	VRLA	VRLA	VRLA	VRLA
Battery configuration	1x40x82Ah	1x40x82Ah	2x40x82Ah	3x40x82Ah
Number of cabinets	1	1	2	3
Dimension (WxHxD), mm	800x2000x900 mm		800x2000x900 mm	
Weight (Kg)	1285		2570	3855
Server racks				
Rack type	Vertiv™ Knurr DCM			
Dimension (WxHxD), mm	800x2000x1200 mm			
Number of racks	8		11	
Available U-slots	42U			
Protection rating	IP 20, according to IEC 60529			
Static load rating	800x2000x900 mm		800x2000x900 mm	
rPDU model	Vertiv™ Geist™ VP4G20A6		Vertiv™ Geist™ VP4G30AF	
rPDU type	monitored			
rPDU capacity (A)	16		32	
rPDU phases	3			
Access control	E-handles on front and rear door			
How supplied	Pre-assembled			
Weight (Kg)	146.52		149.24	



Model	SA_RD#1	RD#2	RD#3	RD#4
Power management rack				
Rack type	Vertiv™ Knurr DCM			
Dimension (WxHxD), mm	800x2000x1200 mm			
Management station	RDU 501			
Power consumption (W)	250			
HMI	15" touchscreen display, positioned on the left side panel for easy access from outside the SmartAisle™			
Power consumption (W)	70			
Video surveillance	Network video recorder complemented with 4x IP cameras supplied loose			
Network switches	2x network switches 24 ports POE			
Power consumption (W)	120			
Environmental monitoring	6x Temperature and 2 humidity sensors mounted on the front and rear door			
Access control	2x e-handles on front and rear door			
Power consumption (W)	55.08	55.08	73.44	73.44
Power distribution box	4 (supplied loose)		6 (supplied loose)	
How supplied	Pre-assembled			
rPDU model	Vertiv™ PowerIT VP4G30A0			
rPDU type	Monitored			
rPDU capacity (A)	32			
rPDU phases	1			
Weight (Kg)	139.26			
Power distribution				
From customer' switchgear	Power cords			
Number of cords	2 (UPS) + 4 (PDB)		2 (UPS) + 6 (PDB)	
From UPS to IT load	LV modular switchboard with hot-plug breakers		LV modular busbar system with hot-plug tap-off boxes	
Weight (Kg), w/o cords *	166.8	166.8	112.2	124.01
* Busbar weight doesn't include the distance between the UPS and the SmartAisle™				
Indoor cooling units				
Indoor unit model	Vertiv™ Liebert® CRD25	Vertiv™ Liebert® CRD35	Vertiv™ Liebert® CRD25	Vertiv™ Liebert® CRD35
Number of indoor units	4		6	
Net sensible cooling capacity* (kW)	25 kW	36 kW	25 kW	36 kW
Capacity modulation range	20-100%			
Refrigerant/coolant	410A			
Max piping length, m	120			
Dimensions (WxHxD), mm	300x2000x1132	600x2000x1132	300x2000x1132	600x2000x1132
Weight (Kg)	272	358	272	358

Model	SA_RD#1	RD#2	RD#3	RD#4
Outdoor cooling units				
Outdoor unit model	Vertiv™ Liebert® CCD25	Vertiv™ Liebert® CCD35	Vertiv™ Liebert® CCD25	Vertiv™ Liebert® CCD35
Number of outdoor units	4		6	
Operating temperatures **	-35 to 48 °C			
Dimensions (WxHxD), mm	1562x1272x830	2362x1272x830	1562x1272x830	2362x1272x830
Weight (Kg)	120	175	120	175

* Test conditions: 37°C, 24% Return Air, 35°C outdoor

** with low ambient kit

Aisle containment system

Containment model	Vertiv™ SmartAisle™ Containment			
Door elements	Sliding doors with no locking system			
Roof elements	Roof panels for aisle containment in Polycarbonate, UL 94-VO/DIN 4102 B2			
Weight (Kg)	72	72	78	78



Single phase UPS

The critical systems that sustain your business operations can't go down.

Vertiv supports you in improving your uptime with a full range of innovative Vertiv™ Liebert® uninterruptible power supplies (UPS) and advanced, integrated UPS systems, that will cover the backup power needs of your IT infrastructure, from small computer rooms at the network edge to enterprise and hyperscale data centers. Discover the best uninterruptible supplies to protect your application.

**Reliable protection.
Modern design.
Everyday peace of mind.**

The Vertiv™ PowerUPS 100 Series delivers dependable desktop power protection in a sleek, space-saving design, keeping your electronics safe with built-in battery backup and surge protection. Available in Lithium and VRLA versions, the series lets you choose the option that best fits your usage and lifestyle.

Applications:

- Personal computers
- Workstations
- Gaming consoles
- Kiosks
- Smart home devices
- Surveillance systems
- Wireless networks
- Retail Point-of-Sale (POS) equipment
- AI PC's (e.g. DGX Spark, Dell GB10)

What's in the box

- Vertiv PowerUPS 100 UPS
- Quick installation guide
- Safety instructions
- USB cable, type A to B



Vertiv™ PowerUPS 100 Standby Series 230V

Features and benefits

Lithium-ion battery:

Lithium-ion technology delivers up to 3 times the life expectancy of lead-acid batteries which reduces maintenance, labor and replacement costs.

Battery and surge protected outlets:

4 total outlets with 3 backup outlets offer enough space and capacity to protect all your critical electronics.

Wall-mountable:

Offers two conveniently located keyhole sockets for mounting the UPS.

Runtime LED indicators:

4 indicators provide a quick view of remaining battery capacity.

Alarm management:

A dedicated mute button allows you to quickly silence alarms.

5-Year warranty:

Full unit coverage, including the battery, with an advanced replacement warranty.

Equipment Protection Plan (EPP):

The Equipment Protection Plan offers reimbursement or replacement for any devices damaged by power surges while connected to your Vertiv™ PowerUPS 100 Standby UPS.



Technical specifications - Vertiv™ PowerUPS 100 Standby Series

Model number			
IEC models	PST6-500IT-IEC	PST6-700IT-IEC	PST6-900IT-IEC
Schuko models	PST6-500IT-SCH	PST6-700IT-SCH	PST6-900IT-SCH
Capacity (VA / W)	500 / 305	700 / 425	900 / 550
Unit dimensions, mm (in) W x D x H			
IEC models	167 x 264 x 89 (6.57 x 10.40 x 3.50)		185 x 288 x 89 (7.28 x 11.34 x 3.50)
Schuko models	185 x 344 x 89 (7.28 x 13.54 x 3.50)		
Unit weight, kg (lbs.)			
IEC models	3.1 kg (6.83 lbs)		4.1 kg (9.04 lbs)
Schuko models	3.4 kg (7.5 lbs)	4.2 kg (9.26 lbs)	4.3 kg (9.48 lbs)
Shipping dimensions, mm (in) W x D x H			
IEC models	195 x 367 x 265 (7.68 x 14.45 x 10.43)		195 x 393 x 282 (7.68 x 15.47 x 11.10)
Schuko models			
Shipping weight, kg (lbs.)	12.0 kg (26.5 lbs)	14.0 kg (30.9 lbs)	14.0 kg (30.9 lbs)
Input AC			
Nominal voltage	220-240 VAC		
Voltage range	140-290 VAC		
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)		
Protection	Resettable Circuit Breaker		
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground		
Surge energy rating	600 Joules		
Input cord	6 ft. IEC C14		
Output AC (on utility)			
Nominal voltage	220-240 VAC		
Voltage range	195-255 VAC		
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)		
Efficiency	Up to 95% @100% Load		
Output AC (on battery)			
Nominal voltage	230 VAC		
Voltage range	230 +/- 10% VAC		
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)		
Waveform	Simulated Sinewave		
Transfer time	2-6 ms, typical (10 ms max)		
Overload capacity	110% for 5 seconds, 120% immediate shutdown		
Protection	Electronic (over current, short circuit, over charge)		
Backup time (full load / half load) mins	2 mins / 11 mins	2 mins / 10 mins	2 mins / 10 mins
Battery type	Sealed Valve Regulated Lead Acid (VRLA)		
Battery backed & surge protected outlets			
IEC Models	8 (IEC)		
Schuko Models	6 (Schuko)		
Surge only outlets			
Schuko Models	2 (Schuko)		
Environmental requirements			
Operating temperature °C (°F)	0 to 40 (32 - 104)		
Operating elevation, m (ft)	0 - 3,000 (0 - 10,000 feet)		
Relative humidity	0-90% non-condensing		
Storage temperature °C (°F)	-20 to 40 (-4 to 104)		
Storage elevation, m (ft)	0 - 3,000 (0 - 10,000 feet)		
Audible noise	1m (<40dBA @ 3 ft) from all sides	1m (<45dBA @ 3 ft) from all sides	1m (<45dBA @ 3 ft) from all sides
Agency			
Safety	CB, CE, EN/IEC 62040-1, UKCA, RCM, EAC		
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-3-2, EN 61000-3-3, CAT: C2		
Surge immunity	IEC 61000-4-5		
Environmental	RoHS, REACH, WEEE		
Transportation	ISTA Procedure 3A		
Protection plan			
Equipment protection plan	\$300,000		

Technical specifications - Vertiv™ PowerUPS 100 Lithium Standby Series

Model number	PUL-350IMT-IEC
Capacity (VA / W)	350 / 210
Unit dimensions, mm (in) W x D x H	243 x 187 x 58 (9.57 x 7.36 x 2.28)
Unit weight, kg (lbs.)	1.40 kg (3.10 lbs)
Shipping dimensions, mm (in) W x D x H	340 x 283 x 150 (13.39 x 11.14 x 5.91)
Shipping weight, kg (lbs.)	2.30 kg (5.10 lbs)
Input AC	
Nominal voltage	220-240 VAC
Voltage range	160-278 VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Protection	Replaceable Fuse
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground
Surge energy rating	375 Joules
Input cord	6 ft. IEC C14
Output AC (on utility)	
Nominal voltage	230 VAC
Voltage range	160-278 VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Efficiency	Up to 97% @100% Load
Output AC (on battery)	
Nominal voltage	230 VAC
Voltage range	230 +/- 8% VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Waveform	Simulated Sinewave
Transfer time	8 ms, typical (10 ms max)
Overload capacity	110% for 5 seconds, 120% immediate shutdown
Protection	Electronic (over current, short circuit, over load)
Backup time (full load / half load) mins	2 mins / 8 mins
Battery type	Lithium-Ion
Battery backed & surge protected outlets	3 (IEC)
Surge only outlets	1 (IEC)
Environmental requirements	
Operating temperature °C (°F)	32 - 104 (0 to 40)
Operating elevation, m (ft)	0 - 10,000 (0 - 3,000)
Relative humidity	0-95% non-condensing
Storage temperature °C (°F)	-10 to 50 (14 to 122)
Storage elevation, m (ft)	0 - 10,000 (0-3,000)
Audible noise	3ft <45dBA @ 1m (3ft) from all sides
Agency	
Safety	CB, CE, EN/IEC 62040-1
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-4-1, CAT: C2
Surge immunity	IEC 61000-4-5 +/-2KV
Environmental	RoHS, REACH, WEEE
Transportation	ISTA Procedure 3A
Protection plan	
Equipment protection plan	\$200,000

Internal replacement battery kits

Replacement battery kit	Compatible UPS model
VBATKIT102	PST6-500IT-IEC ; PST6-500IT-SCH ; PST6-700IT-IEC
VBATKIT104	PST6-700IT-SCH ; PST6-900IT-IEC ; PST6 - 900IT-SCH



Technical specifications - Vertiv™ PowerUPS 100 Lithium Standby Series

Model number	PUL-350IMT-IEC
Capacity (VA / W)	350 / 210
Unit dimensions, mm (in) W x D x H	243 x 187 x 58 (9.57 x 7.36 x 2.28)
Unit weight, kg (lbs.)	1.40 kg (3.10 lbs)
Shipping dimensions, mm (in) W x D x H	340 x 283 x 150 (13.39 x 11.14 x 5.91)
Shipping weight, kg (lbs.)	2.30 kg (5.10 lbs)
Input AC	
Nominal voltage	220-240 VAC
Voltage range	160-278 VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Protection	Replaceable Fuse
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground
Surge energy rating	375 Joules
Input cord	6 ft. IEC C14
Output AC (on utility)	
Nominal voltage	230 VAC
Voltage range	160-278 VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Efficiency	Up to 97% @100% Load
Output AC (on battery)	
Nominal voltage	230 VAC
Voltage range	230 +/- 8% VAC
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)
Waveform	Simulated Sinewave
Transfer time	8 ms, typical (10 ms max)
Overload capacity	110% for 5 seconds, 120% immediate shutdown
Protection	Electronic (over current, short circuit, over load)
Backup time (full load / half load) mins	2 mins / 8 mins
Battery type	Lithium-Ion
Battery backed & surge protected outlets	3 (IEC)
Surge only outlets	1 (IEC)
Environmental requirements	
Operating temperature °C (°F)	32 - 104 (0 to 40)
Operating elevation, m (ft)	0 - 10,000 (0 - 3,000)
Relative humidity	0-95% non-condensing
Storage temperature °C (°F)	-10 to 50 (14 to 122)
Storage elevation, m (ft)	0 - 10,000 (0-3,000)
Audible noise	3ft <45dBA @ 1m (3ft) from all sides
Agency	
Safety	CB, CE, EN/IEC 62040-1
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-4-1, CAT: C2
Surge immunity	IEC 61000-4-5 +/-2KV
Environmental	RoHS, REACH, WEEE
Transportation	ISTA Procedure 3A
Protection plan	
Equipment protection plan	\$200,000

Vertiv™ PowerUPS 200

The Vertiv™ PowerUPS 200 series delivers reliable desktop UPS protection in a modern, space-saving design, providing essential battery backup and surge protection for your electronics.

- Personal computers
- Workstations
- Gaming consoles
- Kiosks
- Smart home devices
- Surveillance systems
- Wireless networks
- Retail point-of-sale (POS) equipment

What's in the box

- Vertiv™ PowerUPS 200 UPS
- Quick installation guide
- Safety instructions
- USB cable, type A to B
- Input/output power cord
- 600VA/1000VA/1600VA IEC models – 1 x IEC C13 to C14 output cable
- 2200VA IEC models – 1 x IEC C19 to C20 output cable
- 600VA/1000VA/1600VA Schuko models – 1 x CEE7/7P to IEC C14 output cable
- 2200VA Schuko models – 1 x CEE7/7P to IEC C19 output cable

Vertiv™ PowerUPS 200 Line Interactive Series Tier Comparison



Feature	Vertiv™ PowerUPS 200 Essential (600VA to 2200VA)	Vertiv™ PowerUPS 200 Standard (1000VA to 1600VA)
Runtime indicator	LED	Color LCD Screen
Number of outlets	4 to 6	4 to 8
Runtime (entry level PC, 20" LCD screen and network gateway)	90 mins	135 mins
USB ports	-	USB A and C
Warranty	2 years	3 years
User replaceable batteries	•	•
Data line surge protection	• (except 600VA)	•
Alarm management	•	•
Power assist	•	•



Technical specifications - Vertiv™ PowerUPS 200 Essential Line Interactive Series

IEC models	PSA6E-600IT-IEC	PSA6E-1000IT-IEC	PSA6E-1600IT-IEC	PSA6E-2200IT-IEC
Schuko models	PSA6E-600IT-SCH	PSA6E-1000IT-SCH	PSA6E-1600IT-SCH	PSA6E-2200IT-SCH
Capacity (VA / W)	600 / 315	1000 / 525	1600 / 925	2200 / 1225
Unit dimensions, in (mm) W x D x H	120 x 255 x 180 (4.72 x 13.98 x 7.1)		145 x 400 x 195 (5.71 x 15.75 x 7.68)	
Unit weight, lbs (kg)	5.0 kg (11.0 lbs)	6.2 kg (13.7 lbs)	12.5 kg (27.6 lbs)	12.9 kg (28.4 lbs)
Shipping dimensions, in (mm) W x D x H	197 x 430 x 275 (7.8 x 16.9 x 10.8)		235 x 295 x 305 (9.3 x 19.5 x 12.0)	
Shipping weight, lbs (kg)	6.1 kg (13.4 lbs)	7.3 kg (16.1 lbs)	14.0 kg (30.9 lbs)	14.4 kg (31.8 lbs)
Input AC				
Nominal voltage	220-240 VAC			
Voltage range	140-290 VAC			
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)			
Protection	Resettable Circuit Breaker			
Surge energy rating	475 Joules (Line-Neutral, Line-Ground, and Neutral-Ground)			
Input connection (IEC models)	IEC 60320 C13		IEC 60320 C20	
Input connection (Schuko models)	Schuko CEE 7/7P			
Output AC (On utility)				
Nominal voltage	220-240VAC			
Voltage range	195-255 VAC			
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)			
Efficiency	Up to 95% @100% Load			
Output AC (On battery)				
Nominal voltage	230 VAC			
Voltage range	230 +/- 10 VAC			
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)			
Waveform	Simulated Sinewave			
Transfer time	2-6 ms, typical (10 ms max)			
Overload capacity	110% for 5 seconds, 120% immediate shutdown			
Protection	Electronic (over current, short circuit, over charge)			
Backup time (full load / half load) mins	9.0 min	9.0 min	12.0 min	9.4 min
Battery type	Sealed Valve Regulated Lead Acid (VRLA)			
Battery backup & surge protected outlets (IEC models)	4 (IEC C13)		6 (IEC C13)	
Battery backup & surge protected outlets (Schuko models)	4 (Schuko)		5 (Schuko)	
Enviornmental requirements				
Operating temperature °C (°F)	0 - 40 (32 - 104)			
Operating elevation, m (ft)	0 - 3,000 m (0 - 10,000 ft)			
Relative humidity	0-95% non-condensing			
Storage temperature °C (°F)	-20 to 40 (-4 to 104)			
Storage elevation, m (ft)	0 - 3,000 m (0 - 10,000 ft)			
Audible noise	<45dBA @ 1m (3ft) from all sides			
Agency				
Safety	CB, CE, EN/IEC 62040-1, UKCA, RCM, EAC			
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-3-2, EN 61000-3-3, CAT: C1			
Surge immunity	IEC 61000-4-5			
Environmental	ROHS, REACH, WEEE			
Transportation	ISTA Procedure 3A			

Technical specifications -

Vertiv™ PowerUPS 200 Standard Line Interactive Series

IEC models		PSA6-1000IT-IEC	PSA6-1600IT-IEC
Schuko models		PSA6-1000IT-SCH	PSA6-1600IT-SCH
Capacity (VA / W)		1000 / 625	1600 / 1000
Unit dimensions, mm (in) W x D x H		4.72 x 16.93 x 11.42 (120 x 430 x 290)	
Unit weight, kg (lbs)		9.8 kg (21.6 lbs)	11.8 kg (26.01 lbs)
Shipping dimensions, mm (in) W x D x H		8.46 x 20.07 x 14.57 (215 x 510 x 370)	
Shipping weight, kg (lbs)		12.0 kg (26.5 lbs)	14.0 kg (30.9 lbs)
Input AC			
Nominal voltage	220-240 VAC		
Voltage range	140-290 VAC		
Frequency range	50/60Hz +/- 5 Hz (auto-sensing)		
Protection	Resettable Circuit Breaker		
Surge protection	Line-Neutral, Line-Ground, and Neutral-Ground		
Surge energy rating	600 Joules		
Input cord	1.8m (6 ft.) removeable IEC C14		
Output AC (on utility)			
Nominal voltage	220-240 VAC		
Voltage range	195-255 VAC		
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)		
Efficiency	Up to 95% @100% Load		
Output AC (on battery)			
Nominal voltage	230 VAC		
Voltage range	230 +/- 10 VAC		
Frequency range	50/60Hz +/- 1 Hz (auto-sensing)		
Waveform	Simulated Sinewave		
Transfer time	2-6 ms, typical (10 ms max)		
Overload capacity	110% for 5 seconds, 120% immediate shutdown		
Protection	Electronic (over current, short circuit, over charge)		
Backup time (full load / half load) mins	9.0 min	9.8 min	
Battery type	Sealed Valve Regulated Lead Acid (VRLA)		
Battery backup & surge protected outlets			
IEC models	6 (IEC C13)	6 (IEC C13)	
Schuko models	4 (Schuko)	6 (Schuko)	
Surge only outlets			
IEC models	0	2	
Schuko models	0	0	
Enviormental requirements			
Operating temperature °C (°F)	0 - 40 (32 - 104)		
Operating elevation, m (ft)	0 - 3,000 m (0 - 10,000 ft)		
Relative humidity	0-95% non-condensing		
Storage temperature °C (°F)	-20 to 40 (-4 to 104)		
Storage elevation, m (ft)	0 - 3,000 m (0 - 10,000 ft)		
Audible noise	<40 dBA @ 1m (3ft) from all sides	<45 dBA @ 1m (3ft) from all sides	
Agency			
Safety	CB, CE, EN/IEC 62040-1, UKCA, RCM, EAC		
RFI / EMI	EN/IEC 62040-2, EN/IEC 61000-3-2, EN 61000-3-3, CAT: C1		
Surge immunity	IEC 61000-4-5		
Environmental	ROHS, REACH, WEEE		
Transportation	ISTA Procedure 3A		



Vertiv™ Edge Single Phase UPS - Vertiv™ Edge Lithium-Ion 500-3000 VA

The Vertiv™ Edge single phase (1ph) UPS: Best-in-class battery backup and power protection for Edge applications, telecom and distributed IT equipment.

Vertiv™ Edge is a family of highly reliable, efficient, manageable and flexible line interactive sinewave UPSs, with models ranging from 500 VA to 3000 VA in tower, rack/tower and rack-mount form factors. With a 0.9 power factor, controllable outlets and extended runtime options, Vertiv Edge is the right choice for protecting server and networking equipment in distributed and Vertiv Edge IT applications. Available in 1U and 2U options as well as a short-depth 3U 3000 VA model, it can provide optimum runtime at the right size and power density in a cost effective UPS solution.

What's in the box:

- Vertiv™ Edge single phase (1ph) UPS
- USB type A to B Cable
- Quick installation guide and safety instructions
- Adjustable 4-post rackmounting kit (not included with Tower models)
- Rackmounting ears/hardware
- Stabilizing feet for tower configuration (Rack/tower models only)
- UPS management software (free download from vertiv.com)
- 2 x IEC C13 to C14 output cables (1.8 m)
- Input power cables (UK, AUS, Schuko, 1.8 m)

Vertiv™ Edge Single Phase UPS Tower (750/1000/1500 VA)



- Compact Tower design for tower servers and/or applications with no available rack
- Plug and play solution requiring no installation
- Vertiv™ Liebert® IntelliSlot™ management cards available for remote power management and OS's shutdown

Vertiv™ Edge Single Phase UPS 1U Rack Mount (500/1000/1500 VA)



- Compact 1U Rack Mount design for Vertiv™ Edge applications with limited rack space
- Comes with rack mounting hardware included
- Vertiv™ Liebert® IntelliSlot™ management cards available for remote power management and OS's shutdown

Vertiv™ Edge Single Phase UPS Rack / Tower (1500/2200/3000 VA 2U, 3000 VA 3U)



- Convertible rack/tower design with LCD display provides flexible installation options
- Extended runtime capability with external battery cabinets with autodetection, for hours of back-up time
- 3000 VA 3U height with short depth (<500 mm) for compact racks that still require maximum power protection
- Vertiv™ Liebert® IntelliSlot™ management cards available for remote power management and OS's shutdown

Technical Specifications - 1U Rack Mount Models

Model number	Vertiv™ Edge-500IRM1U	Vertiv™ Edge-1000IRM1U	Vertiv™ Edge-1500IRM1U
Rating (VA/W)	500VA/450W	1000VA/900W	1500VA/1350W
Dimensions, mm			
Unit (W x D x H)	438 x 380 x 43	438 x 510 x 43	438 x 630 x 43
Shipping (W x D x H)	550 x 620 x 200	570 x 700 x 200	570 x 780 x 200
Weight, kg			
Unit	11	16	23
Shipping	17	23	30
Input AC Parameters			
Voltage range without battery operation (230V default)	166 - 278	166 - 278	166 - 278
Frequency range (Hz)	45 - 65, autosensing	45 - 65, autosensing	45 - 65, autosensing
Input power connector	IEC60320 C14	IEC60320 C14	IEC60320 C14
Surge protection (J)	624	624	624
Output AC Parameters			
Output receptacles	3 + 3 IEC60320 C13	3 + 3 IEC60320 C13	3 + 3 IEC60320 C13
Output receptacles - controllable	Yes - 1 group	Yes - 1 group	Yes - 1 group
Output voltage	200/208/220/230/240	200/208/220/230/240	200/208/220/230/240
Waveform (battery operation)	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Transfer time	4 - 6 ms Typical	4 - 6 ms Typical	4 - 6 ms Typical
Output overload (AC mode)	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s
Efficiency (full load, line mode, typ)	96%	97%	97%
Battery			
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Recharge time (internal batteries, typical)	3 hr @ 90%	3 hr @ 90%	3 hr @ 90%
Environmental			
Operating temperature (°C)	0 to 40	0 to 40	0 to 40
Storage temperature (°C)	-25°C to +55 without battery inside	-25 to +55 without battery inside	-25 to +55 without battery inside
Relative humidity (Operation)	20% to 90%	20% to 90%	20% to 90%
Operating altitude (m)	3000	3000	3000
Audible noise (line mode)	<40dB normal mode, <70% load <45dB AVR mode, >70% load"	<40dB normal mode, <70% load <45dB AVR mode, >70% load"	"<40dB normal mode, <70% load <45dB AVR mode, >70% load"
Form factor	Rack (1U)	Rack (1U)	Rack (1U)
Agency			
Compliance	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA
Safety	EN62040-1	EN62040-1	EN62040-1
Transportation	ISTA 2A	ISTA 2A	ISTA 2A
Environmental	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE
Warranty			
Warranty	3 years	3 years	3 years



Technical Specifications - Tower Models

Model number	Vertiv™ Edge-750IMT	Vertiv™ Edge-1000IMT	Vertiv™ Edge-1500IMT
Rating (VA/W)	750VA/675W	1000VA/900W	1500VA/1350W
Dimensions, mm			
Unit (W x D x H)	145 x 374 x 220	145 x 374 x 220	145 x 482 x 220
Shipping (W x D x H)	235 x 480 x 325	235 x 480 x 325	260 x 590 x 350
Weight, kg			
Unit	13	14	20
Shipping	15	16	23
Input AC Parameters			
Voltage range without battery operation (230V default)	166 - 278	166 - 278	166 - 278
Frequency range (Hz)	45 - 65, autosensing	45 - 65, autosensing	45 - 65, autosensing
Input power connector	IEC60320 C14	IEC60320 C14	IEC60320 C14
Surge protection (J)	624	624	624
Output AC Parameters			
Output receptacles	3 + 2 IEC60320 C13	3 + 2 IEC60320 C13	3 + 3 IEC60320 C13
Output receptacles - controllable	Yes - 1 group	Yes - 1 group	Yes - 1 group
Output voltage	200/208/220/230/240	200/208/220/230/240	200/208/220/230/240
Waveform (battery operation)	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Transfer time	4 - 6 ms Typical	4 - 6 ms Typical	4 - 6 ms Typical
Output overload (AC Mode)	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s	106% - 125% @ 60 s 126% - 150% @ 50 s 151% - 200% @ 2 s
Efficiency (full load, line mode, typ)	95%	96%	97%
Battery			
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Recharge time (internal batteries, typical)	3 hr @ 90%	3 hr @ 90%	3 hr @ 90%
Environmental			
Operating temperature (°C)	0 to 40	0 to 40	0 to 40
Storage temperature (°C)	-25 to +55 without battery inside	-25 to +55 without battery inside	-25 to +55 without battery inside
Relative humidity (operation)	20% to 90%	20% to 90%	20% to 90%
Operating altitude (m)	3000	3000	3000
Audible noise (line mode)	<40dB normal mode, <70% load <45dB AVR mode, >70% load	<40dB normal mode, <70% load <45dB AVR mode, >70% load	<40dB normal mode, <70% load <45dB AVR mode, >70% load
Form Factor	Tower	Tower	Tower
Agency			
Compliance	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA
Safety	EN62040-1	EN62040-1	EN62040-1
Transportation	ISTA 2A	ISTA 2A	ISTA 2A
Environmental	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE
Warranty			
Warranty	3 years	3 years	3 years

Vertiv™ Liebert® APS UPS 5000-20000

A scalable power solution for dynamic demands

Pay as you grow design of the Vertiv™ Liebert® APS simplifies the capacity planning process and provides budget flexibility. Vertiv™ FlexPower™ assemblies and battery modules allow for rapid deployment of capacity and runtime upgrades.

Built-in redundancy and modular design provide maximum availability

Provide mission-critical availability and reduce costs while maintaining future flexibility with the Vertiv Liebert APS uninterruptible power supply (UPS), a modular power solution for 5-20kVA N+1 applications.

- High overload capabilities up to 200% allow the unit to provide conditioned power during temporary overloads without transfers to/from bypass power
- Modular batteries, controls, and power components help reduce maintenance costs with user replacement
- Scalability allows for the cost-effectively addition of power capacity or battery modules as needed
- Module-level, built-in redundancy eliminates the expense of purchasing and planning for additional cabinets
- Integral battery monitoring with temperature-compensated charging prolongs battery life and helps reduce replacement costs
- Pre-installed Cyber Security certified network card Vertiv™ Liebert® IntelliSlot™ RDU120 provides remote management and environmental monitoring support

Ultimate flexibility and serviceability

Your business depends on digital continuity, and along with the following benefits, the Vertiv Liebert APS UPS offers your critical IT applications are protected from power disruptions, fluctuations, and outages:

- Hot-swappable FlexPower assemblies and battery modules allow for quick and easy capacity and runtime changes without powering down the UPS or connected equipment
- Offers system integrity due to fault-tolerant design that enable the power, battery, and control modules to take themselves offline in the event of a problem
- Improved availability and reliability with internal wrap-around maintenance bypass
- Two-year hassle-free factory warranty program eliminates unexpected repair or replacement costs for added peace of mind

Vertiv FlexPower core hardware assemblies

Delivers quick and easy capacity changes in 5kVA/4.5kW

Hot-swappable Vertiv FlexPower assemblies and battery modules

May be added without powering down connected equipment.





Power emergency and warranty

		Standard Channel Services		Advanced Channel Services		Elite Channel Services							
		Warranty Extension +1		Warranty Extension +2		Power Assurance		Power Assurance Premier		Start up 8x5		Start up 24x7	
Part number	Part number	Description	Part number	Description	Part number	Description	Part number	Description	Part number	Description	Part numbe	Description	
AS1A0NCU MNNXNVM 5	RUPS-WE1-008	Warranty Extension +1YR UPS Group 8	GXT5-2YEXT-008	GXT5 +2Yr Extension Group 008	RUPS-PA5-008	Power Assurance YR-PM8X5-8HR RESP8X5 Group 8	RUPS-PAP5-008	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 8	PS-RUPS-ST85-008	Startup 1PH UPS 8X5 Group 8"	PS-RUPS-ST247-008	Startup 1PH UPS 24X7 Group 8	
AS2A0NCU MNNXNVM 5	RUPS-WE1-008	Warranty Extension +1YR UPS Group 8	GXT5-2YEXT-008	GXT5 +2Yr Extension Group 008"	RUPS-PA5-008	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group 8	RUPS-PAP5-008	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 8	PS-RUPS-ST85-008	Startup 1PH UPS 8X5 Group 8"	PS-RUPS-ST247-008	Startup 1PH UPS 24X7 Group 8	
AS1B0NCV MNNXNVM 10	RUPS-WE1-008	Warranty Extension +1YR UPS Group 8	GXT5-2YEXT-008	GXT5 +2Yr Extension Group 008"	RUPS-PA5-008	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group 8	RUPS-PAP5-008	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 8	PS-RUPS-ST85-008	Startup 1PH UPS 8X5 Group 8	PS-RUPS-ST247-008	Startup 1PH UPS 24X7 Group 8	
AS2B0NCV MNNXNVM 10	RUPS-WE1-008	Warranty Extension +1YR UPS Group 8	GXT5-2YEXT-008	GXT5 +2Yr Extension Group 008	RUPS-PA5-008	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group	RUPS-PAP5-008	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 8	PS-RUPS-ST85-008	Startup 1PH UPS 8X5 Group 8"	PS-RUPS-ST247-008	Startup 1PH UPS 24X7 Group 8	
AS1C0NCW MNNXNVM 15	RUPS-WE1-009	Warranty Extension +1YR UPS Group 9	GXT5-2YEXT-009	GXT5 +2Yr Extension Group 009	RUPS-PA5-009	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group 9	RUPS-PAP5-009	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 9	PS-RUPS-ST85-009	Startup 1PH UPS 8X5 Group 9	PS-RUPS-ST247-009	Startup 1PH UPS 24X7 Group 9	
AS2C0NCW MNNXNVM 15	RUPS-WE1-009	Warranty Extension +1YR UPS Group 9	GXT5-2YEXT-009	GXT5 +2Yr Extension Group 009	RUPS-PA5-009	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group 9	RUPS-PAP5-009	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 9	PS-RUPS-ST85-009	Startup 1PH UPS 8X5 Group 9"	PS-RUPS-ST247-009	Startup 1PH UPS 24X7 Group 9	
AS2D0NCX MNNXNVM 20	RUPS-WE1-009	Warranty Extension +1YR UPS Group 9	GXT5-2YEXT-009	GXT5 +2Yr Extension Group 009	RUPS-PA5-009	Power Assurance 5YR-PM8X5-8HR RESP8X5 Group 9	RUPS-PAP5-009	Power Assurance Premier 5YR-PM8X5-8HR RESP8X5 Group 9	PS-RUPS-ST85-009	Startup 1PH UPS 8X5 Group 9"	PS-RUPS-ST247-009	Startup 1PH UPS 24X7 Group 9	

Vertiv™ Liebert® GXE UPS 1000 - 3000

Essential and affordable Uninterruptible Power Supply (UPS) for high performance protection.

The Vertiv™ Liebert® GXE UPS is an online double conversion solution which offers power protection in an affordable, efficient system with deployment and operation flexibility.

The high output power factor (0.9) of the Vertiv Liebert GXE single-phase UPS enables continuous and reliable power to more connected devices, protecting them against many disturbances in the AC mains with the online double conversion technology and the input surge protection.

The high efficiency in both line and ECO modes of operation for this already affordable UPS also drives energy and operational costs savings.

Available in 1, 1.5, 2 and 3kVA power ratings in either a compact tower form factor, or in a rack/tower form factor with flexibility for mounting in either tower position or inside a rack cabinet together with the IT equipment critical for any application. Moreover, the capability to add external battery cabinets in the rack/tower models provides scalable runtime for those applications requiring even a longer period of backup in case of AC mains failures. It is combined with a powerful internal charger with a maximum of 6 Amps for a fast recharge.

In addition to the extended runtime, having multiple monitoring options make this compact UPS ideal for delivering best-in-class power protection to equipment at the edge of networks or in remote sites.

What's in the box

- Vertiv™ Liebert® GXE UPS
- Quick installation guide
- Safety instructions
- Adjustable 4-post rack mounting kit (rack/tower models only)
- Rack mounting ears & hardware
- Input power cables (UK, AUS, Schuko. 1.8 m)
- Output power cables IEC C13-C14 (x2 in 2-3kVA models, and x1 in 1-1.5kVA models)
- USB cable type A-B (1.2 m)
- Stabilizing feet for tower configuration (rack/tower models only)
- Free [Vertiv™ Power Assist](#) software for local UPS status and shutdown, or [Vertiv™ Power Insight](#) for remote network management



Vertiv™ Liebert® GXE 1000 VA rack/tower shown with an optional 2U external battery cabinet

Vertiv™ Liebert® GXE features

- High output power factor (0.9)
- High efficiency in online mode (up to 91%)
- Even higher efficiency (up to 96%) in ECO mode
- Compact tower only form factor or flexible rack/tower convertible design
- User-friendly LCD interface
- Fast recharge time (<4 hours to 90% for internal batteries)
- Extended runtime with up to 4 optional External Battery Cabinets (EBC)
- Hot-swappable user replaceable internal UPS batteries
- Remote management capability with optional Network Communications Card
- (8) IEC60320 C13 outlets (all models), plus (1) C19 (3kVA model)
- Automatic internal bypass
- Free UPS management software
- Vertiv™ Life™ Service to maximize UPS availability



Technical Specifications - Vertiv™ Liebert® GXE 1-3 kVA Tower

Model number	Vertiv™ Liebert® GXE3-1000IMT	Vertiv™ Liebert® GXE3-1500IMT	Vertiv™ Liebert® GXE3-2000IMT	Vertiv™ Liebert® GXE3-3000IMT
Power rating (VA/W)	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
Form factor	Tower	Tower	Tower	Tower
Dimensions, mm				
Unit (W x D x H)	160 x 315 x 245	160 x 420 x 245	160 x 420 x 245	200 x 425 x 345
Shipping (W x D x H)	235 x 395 x 325	235 x 560 x 325	235 x 560 x 325	320 x 560 x 460
Weight, kg				
Unit	11.8	16.4	19.4	27.7
Shipping	12.5	17.3	20.4	29.3
Input AC Parameters				
Voltage range without battery operation (230v default, derating applies)•	110 - 290	110 - 290	110 - 290	110 - 290
Voltage range without battery operation (230v default, 100% load)	180 - 290	180 - 290	180 - 290	180 - 290
Frequency range (Hz, autosensing)	40 - 70	40 - 70	40 - 70	40 - 70
Input power connector	IEC60320 C14	IEC60320 C14	IEC60320 C20	IEC60320 C20
Surge protection (J)	600	600	600	600
Output AC Parameters				
Output voltage	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output overload (AC Mode)	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @ immediate	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @ immediate	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @
Output receptacles	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13 1 x IEC60230 C19
Efficiency (online mode, max.)	89%	89%	89%	91%
Efficiency (ECO mode, max.)	95%	95%	96%	96%
Battery				
Type	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid
Recharge time (internal batteries, typical)	<4 hr @ 90%	<4 hr @ 90%	<4 hr @ 90%	<4 hr @ 90%
Backup time (100% load, minutes)	3.1	3.2	3.2	3.3
Backup time (50% load, minutes)	9	9	9	9.5
Compatible with external battery cabinets	No	No	No	No
Environmental				
Operating temperature (°C)	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Storage temperature (°C, without battery inside)	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Relative humidity (operation, non-condensing)	5% to 95%	5% to 95%	5% to 95%	5% to 95%
Operating altitude (m), without derating (**)	2000	2000	2000	2000
Audible noise (line mode)	<53dBA	<53dBA	<53dBA	<53dBA
Agency				
Compliance	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1
Surge immunity	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5
Transportation	ISTA 2A	ISTA 2A	ISTA 2A	ISTA 2A
Environmental	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE
Communications and management				
Slot for optional cards	Yes	Yes	Yes	Yes
Communication port	USB	USB	USB	USB
Emergency Power Off (EPO)	Yes	Yes	Yes	Yes
Warranty				
Warranty (electronics and batteries)	2 years	2 years	2 years	2 years

Technical Specifications - Vertiv™ Liebert® GXE 1-3 kVA Rack/Tower

Model number	Vertiv™ Liebert® GXE3-1000IRT2UXL	Vertiv™ Liebert® GXE3-1500IRT2UXL	Vertiv™ Liebert® GXE3-2000IRT2UXL	Vertiv™ Liebert® GXE3-3000IRT2UXL
Power rating (VA/W)	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
Form Factor	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)
Dimensions, mm				
Unit (W x D x H)	438 x 430 x 86	438 x 430 x 86	438 x 430 x 86	438 x 630 x 86
Shipping (W x D x H)	560 x 600 x 235	560 x 600 x 235	560 x 600 x 235	790 x 600 x 235
Weight, kg				
Unit	16.0	19.6	22.7	31.5
Shipping	17.6	21.6	24.8	34.2
Input AC Parameters				
Voltage range without battery operation (230V default, derating applies)*	110 - 290	110 - 290	110 - 290	110 - 290
Voltage range without battery operation (230V default, 100% load)	180 - 290	180 - 290	180 - 290	180 - 290
Frequency range (Hz, autosensing)	40 - 70	40 - 70	40 - 70	40 - 70
Input power connector	IEC60320 C14	IEC60320 C14	IEC60320 C20	IEC60320 C20
Surge protection (J)	600	600	600	600
Output AC Parameters				
Output voltage	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output overload (ac mode)	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @	105% - 110% @ 10 min 111% - 130% @ 30 sec 131 - 150% @ 2 sec > 150% @
Output receptacles	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13 1 x IEC60230 C19
Efficiency (online mode, max.)	89%	89%	89%	91%
Efficiency (ECO mode, max.)	95%	95%	96%	96%
Battery				
Type	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid
Recharge time (internal batteries, typical)	<4 hr @ 90%	<4 hr @ 90%	<4 hr @ 90%	<4 hr @ 90%
Backup time (100% load, minutes)	3.1	3.2	3.2	3.3
Backup time (50% load, minutes)	9	9	9	9.5
Compatible external battery cabinet	GXE3-EBC24VRT2U	GXE3-EBC36VRT2U	GXE3-EBC48VRT2U	GXE3-EBC72VRT2U
Environmental				
Operating temperature (°C)	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Storage temperature (°C, without battery inside)	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Relative humidity (operation, non-condensing)	5% to 95%	5% to 95%	5% to 95%	5% to 95%
Operating altitude (m), without derating (**)	2000	2000	2000	2000
Audible noise (line mode)	<53dBA	<53dBA	<53dBA	<53dBA
Agency				
Compliance	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1
Surge immunity	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5
Transportation	ISTA 2A	ISTA 2A	ISTA 2A	ISTA 2A
Environmental	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE
Communications and management				
Slot for optional cards	Yes	Yes	Yes	Yes
Communication port	USB	USB	USB	USB
Emergency Power Off (EPO)	Yes	Yes	Yes	Yes
Warranty				
Warranty (electronics and batteries)	2 years	2 years	2 years	2 years



External battery cabinets

Model number	Vertiv™ Liebert® GXE3-EBC24VRT2U	Vertiv™ Liebert® GXE3-EBC36VRT2U	Vertiv™ Liebert® GXE3-EBC48VRT2U	Vertiv™ Liebert® GXE3-EBC72VRT2U
Dimensions, mm				
Unit (W x D x H)	438 x 410 x 86	438 x 410 x 86	438 x 510 x 86	438 x 630 x 86
Shipping (W x D x H)	560 x 600 x 235	560 x 600 x 235	650 x 600 x 235	600 x 790 x 235
Weight, kg				
Unit	16.2	21.2	28.6	40.8
Shipping	21.1	26.1	34.1	47.2
Agency				
Compliance	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco

Vertiv™ Liebert® GXE UPS 6 – 10 kVA 230V

Essential and affordable Uninterruptible Power Supply (UPS) for high performance protection.

The Vertiv™ Liebert® GXE UPS is an online double conversion solution which offers power protection in an affordable, efficient system with deployment and operation flexibility.

The high output power factor (0.9) of the Vertiv Liebert GXE single-phase UPS enables continuous and reliable power to more connected devices, protecting them against many disturbances in the AC mains with the online double conversion technology and the input surge protection.

The high efficiency in both line and ECO modes of operation for this already affordable UPS also drives energy and operational costs savings.

Available in 1, 1.5, 2 and 3kVA power ratings in either a compact tower form factor, or in a rack/tower form factor with flexibility for mounting in either tower position or inside a rack cabinet together with the IT equipment critical for any application. Moreover, the capability to add external battery cabinets in the rack/tower models provides scalable runtime for those applications requiring even a longer period of backup in case of AC mains failures. It is combined with a powerful internal charger with a maximum of 6 Amps for a fast recharge.

In addition to the extended runtime, having multiple monitoring options make this compact UPS ideal for delivering best-in-class power protection to equipment at the edge of networks or in remote sites.

What's in the box

- Vertiv™ Liebert® GXE UPS
- Quick installation guide
- Safety instructions
- Adjustable 4-post rack mounting kit
- Rack mounting ears & hardware
- USB cable type A-B (1.2 m)
- Stabilizing feet for tower configuration
- Free [Vertiv™ Power Assist](#) software for local UPS status and shutdown, or [Vertiv™ Power Insight](#) for remote network status and shutdown



Vertiv™ Liebert® GXE 6kVA shown with an optional 2U external battery cabinet

Vertiv™ Liebert® GXE features

- High output power factor (1.0)
- Full-color graphic LCD with gravity sensing orientation
- High efficiency in online mode (up to 94%)
- Even higher efficiency (up to 98%) in ECO mode
- Flexible rack/tower design, with rack mount kit included
- Extended runtime with up to 4 External Battery Cabinets (EBC)
- Hot-swappable user replaceable internal UPS batteries
- Easy to install, configure and operate
- Remote management capability with optional Network Communications Card
- Wide input frequency operation (40-70Hz) without any power derating
- Automatic internal bypass
- Free UPS management software
- Fast recharge time (3 hours @90%)
- Compatible with Vertiv™ Life™ Service to maximize UPS availability



Technical specifications Vertiv™ Liebert® GXE

	Vertiv™ Liebert® GXE3-6000IRT4UXL	Vertiv™ Liebert® GXE3-10KIRT5UXL
Power rating (VA/W)	6000VA / 6000W	10000VA / 10000W
Form factor	Rack / Tower (4U)	Rack / Tower (5U)
Dimensions, mm		
Unit (W x D x H)	430 x 750 x 173	430 x 700 x 217
Shipping (W x D x H)	600 x 850 x 480	600 x 800 x 530
Weight, kg		
Unit	70	80
Shipping	92	102
Input AC Parameters		
Voltage range without battery operation (230v default, derating applies)*	100 - 288	100 - 288
Voltage range without battery operation (230v default, 100% load)	176 - 288	178 - 288
Frequency range (Hz, autosensing)	40 - 70	40 - 70
Input wiring	Hardwired (terminals L-N-G)	Hardwired (terminals L-N-G)
Surge protection (J)	600	600
Output AC Parameters		
Output voltage	220/230 (default) /240	220/230 (default) /240
Waveform	Pure Sine Wave	Pure Sine Wave
Output overload (AC Mode)	105% - 125% @ 5 min 126% - 150% @ 1 min > 150% @ 200 ms	105% - 125% @ 5 min 125% - 150% @ 1 min > 150% @ 200 ms
Output wiring	Hardwired (terminals L-N-G)	Hardwired (terminals L-N-G)
Efficiency (online mode, max.)	94%	94%
Efficiency (ECO mode, max.)	98%	98%
Battery		
Type	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid
Recharge time (internal batteries, typical)	3 hr @ 90%	3 hr @ 90%
Backup time (100% load, minutes)	5	3.5
Backup time (50% load, minutes)	14	9
Compatible external battery cabinet	GXE3-EBC192VRT2U	GXE3-EBC240VRT3U
Environmental		
Operating temperature (°C)	0 to 40°C	0 to 40°C
Storage temperature (°C, without battery inside)	-20°C to +70°C	-20°C to +70°C
Relative humidity (operation, non-condensing)	5% to 95%	5% to 95%
Operating altitude (m), without derating (**)	2000	2000
Audible noise (line mode)	<55dBA	<58dBA
Agency		
Compliance	CE, CB Report, EAC, UKCA, Morocco, RCM	CE, CB Report, EAC, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1	IEC/EN 62040-1
Transportation	ISTA 3E	ISTA 3E
Environmental	RoHS, REACH, WEEE	RoHS, REACH, WEEE
Communications and management		
Slot for optional cards	Yes	Yes
Communication port	USB	USB
Emergency Power Off (EPO)	Yes	Yes
Warranty		
Warranty (electronics and batteries)	2 years	2 years

(*) Note: Specific conditions or power derating applies.

(**) Note: Up to 3000 m with power derating.

External battery cabinets

	Vertiv™ Liebert® GXE3-EBC192VRT2U	Vertiv™ Liebert® GXE3-EBC240VRT3U
Dimensions, mm		
Unit (W x D x H)	430 x 765 x 85	430 x 645 x 130
Shipping (W x D x H)	600 x 850 x 405	600 x 800 x 450
Weight, kg		
Unit	58.4	66.9
Shipping	78	85
Agency		
Compliance	CE, CB Report, EAC, UKCA, Morocco	CE, CB Report, EAC, UKCA, Morocco

Vertiv™ Liebert® GXT5 UPS 750 - 3000VA 230V

Intelligent and efficient UPS for protection of your mission-critical applications.

The Vertiv™ Liebert® GXT5 UPS is an online double conversion UPS solution which offers premium power outage protection and continuous power conditioning in a compact and flexible rack/tower form factor.

The Vertiv Liebert GXT5 single phase UPS operates with high power efficiency, making it ideally suited to protect critical infrastructure in both centralized and edge network applications.

Scalable runtime options with matching external battery cabinets offer additional flexibility when extended uninterrupted power is required. Plus, the Vertiv Liebert GXT5 provides battery health status and replacement date prediction for intelligent battery health management.

The UPS system is easy to deploy and maintain due to its user-friendly LCD interface and remote management capabilities supported by the Vertiv™ Liebert® IntelliSlot™ RDU120 communications card which makes the Vertiv Liebert GXT5 compatible with infrastructure management solutions such as Vertiv™ Life™ Services, environmental sensors, Vertiv™ Liebert® Power Insight, and more.

With market leading efficiency and unity power factor operation, the Vertiv Liebert GXT5 will meet your critical application needs. You can rest assured that your business is protected with this Vertiv solution.

What's in the box

- Vertiv Liebert GXT5 UPS
- Quick installation guide and safety instructions
- USB type A to B cable (2 m)
- RS232 cable (1.8 m)
- Stabilizing feet for Tower Stand and 4-Post Rack Fixed Rail Kit
- 2 x IEC C13 to C14 output cables (2 m) for 750 - 1000 - 1500 VA; 3 cables for 2000 - 3000 VA
- Input power cables (UK, AUS, Schuko) for 2000 - 3000 VA (2.5 m)
- Free [Vertiv Power Assist](#) software for local UPS status and shutdown, or [Vertiv Power Insight](#) for remote network management
- Vertiv™ Liebert® IntelliSlot™ RDU120 Network Card (Only models ending with an "N")

Vertiv™ Liebert® GXT5 features

Leading UPS technology

- High output PF = 1.0
- Full color graphic LCD display with gravity sensing
- Individually programmable outlets for power-cycling hung equipment and to optimize battery runtime for critical applications
- External battery cabinets with auto-detection
- Battery health status and replacement date prediction
- Remote management, update and configuration
- Optimized thermal management and variable speed fan

Efficient and green product

- High efficiency (up to 94%) in online mode
- Even higher efficiency (up to 98%) in ECO mode
- Programmable outlets for scheduled shutdown of equipment that is not in use, resulting in significant power savings
- RoHS and REACH compliance

Solutions wide

- Compact rack / tower design
- Broad range of services and extended warranties

- Easy to install, configure and operate
- Free Vertiv™ Power Insight management software
- For (N) SKUs RDU120 is included
- Compatibility with environmental sensors
- Integrated dry-contacts with selectable definition
- Serial port for out-of-band management with Vertiv™ Avocent® Serial Consoles
- Automatic internal bypass and optional external maintenance bypass



Vertiv™ Liebert® GXT5 UPS 750 - 3000VA 230V



Technical specifications

Standard models models with RDU120 network card	Vertiv™ Liebert® GXT5-750IRT2UXL Vertiv™ Liebert® GXT5-750IRT2UXLN	Vertiv™ Liebert® GXT5-1000IRT2UXL Vertiv™ Liebert® GXT5-1000IRT2UXLN	Vertiv™ Liebert® GXT5-1500IRT2UXL Vertiv™ Liebert® GXT5-1500IRT2UXLN	Vertiv™ Liebert® GXT5-2000IRT2UXL Vertiv™ Liebert® GXT5-2000IRT2UXLN	Vertiv™ Liebert® GXT5-3000IRT2UXL Vertiv™ Liebert® GXT5 - 3000IRT2UXLN
Ratings (VA/W)	750VA/750W	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Dimensions, mm					
Unit (W x D x H)	430 x 400 x 85	430 x 400 x 85	430 x 470 x 85	430 x 470 x 85	430 x 540 x 85
Shipping (W x D x H)	617 x 570 x 262	617 x 570 x 262	617 x 570 x 262	617 x 570 x 262	717 x 570 x 262
Weight, kg					
Unit	16,8	16,8	21,4	21,4	28,5
Shipping	21,4	21,4	25,9	25,9	33,4
Input AC Parameters					
Input voltage range (VAC)	115-288	115-280	115-280	115-280	115-280
Frequency range (Hz, autosensing)	40-70	40-70	40-70	40-70	40-70
Input power connector	IEC 60320 C14	IEC 60320 C14	IEC 60320 C14	IEC 60320 C20	IEC 60320 C20
Output AC Parameters					
Output receptacles	8 x IEC60320-C13	8 x IEC60320-C13	8 x IEC60320-C13	8 x IEC60320-C13	6 x IEC60320-C13 1 x IEC60320-C19
Output voltage user selectable output	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%
Waveform	Pure Sine wave	Pure Sine wave	Pure Sine wave	Pure Sine wave	Pure Sine wave
Utility overload (AC Mode)	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds
Battery					
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Backup time (100% load)	10.5 Minutes	6.8 Minutes	5.6 Minutes	3.2 Minutes	3.3 Minutes
Backup time (50% load)	25.7 Minutes	17.8 Minutes	16.3 Minutes	10.7 Minutes	10.8 Minutes
+1 External battery cabinet (100% load)	46.3 Minutes	33.3 Minutes	28.2 Minutes	18.8 Minutes	19.1 Minutes
+1 External battery cabinet (50% load)	103.2 Minutes	76.3 Minutes	70.2 Minutes	47.1 Minutes	47.5 Minutes
Environmental					
Operating temperature, °C	0 to 40	0 to 40	0 to 40	0 to 40	0 to 40
Storage temperature, °C (with batteries)	-20 to 60 (-15 to 40)	-20 to 60 (-15 to 40)	-20 to 60 (-15 to 40)	-20 to 60 (-15 to 40)	-20 to 60 (-15 to 40)
Relative humidity	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating elevation (m, without derating)	3,000	3,000	3,000	3,000	3,000
Storage elevation (m)	15,000	15,000	15,000	15,000	15,000
Audible noise	<46dBA max at 1m front and sides < 43dBA at 1m rear	<46dBA max at 1m front and sides < 43dBA at 1m rear	<46dBA max at 1m front and sides < 43dBA at 1m rear	<48dBA max at 1m front and side <48dBA max at 1m rear	<48dBA max at 1m front and side <48dBA max at 1m rear
Agency					
Compliance	CE, CB Report, EAC, RCM, UKCA, Morocco	CE, CB Report, EAC, RCM, UKCA, Morocco	CE, CB Report, EAC, RCM, UKCA, Morocco	CE, CB Report, EAC, RCM, UKCA, Morocco	CE, CB Report, EAC, RCM, UKCA, Morocco
Safety	EN 62040-1 EN 61000-4-5	EN 62040-1 EN 61000-4-5	EN 62040-1 EN 61000-4-5	EN 62040-1 EN 61000-4-5	EN 62040-1 EN 61000-4-5
Surge immunity	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B
Transportation	ISTA 1A	ISTA 1A	ISTA 1A	ISTA 1A	ISTA 1A
Emissions	IEC/62040-2 Cat. C2	IEC/62040-2 Cat. C2	IEC/62040-2 Cat. C2	IEC/62040-2 Cat. C2	IEC/62040-2 Cat. C2
Environmental	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE
Warranty					
Warranty	3 years	3 years	3 years	3 years	3 years

Vertiv™ Liebert® GXT5 5-20kVA 230V

Largest rack mount capacity available in an intelligent, efficient ups for protection of mission-critical applications

The Vertiv™ Liebert® GXT5 UPS is an online double conversion UPS solution which offers premium power outage protection and continuous power conditioning in a compact and flexible rack/tower form factor.

The Vertiv Liebert GXT5 single-phase UPS operates with high power efficiency, making it ideally suited to protect critical infrastructure in both centralized and edge network applications.

Now available in higher capacity ratings of 16 and 20 kVA the Vertiv Liebert GXT5 UPS allows for highly reliable single UPS installations minimizing required rack space and supporting more IT equipment loads.

Scalable runtime options with matching external battery cabinets offer additional flexibility when extended uninterrupted power is required. Plus, the Vertiv Liebert GXT5 provides battery health status and replacement date prediction for intelligent battery health management.

The UPS system is easy to deploy and maintain due to its user-friendly LCD interface and remote management capabilities supported by the Vertiv™ Liebert® IntelliSlot™ RDU120 communications card which makes the Vertiv Liebert GXT5 compatible with Vertiv™ infrastructure management solutions such as Vertiv™ Life™ Services, environmental sensors, Vertiv™ Power Insight, and more.

What's in the box

- UPS (Including factory installed Network Card.) - Tower Stand and 4-Post Rack Fixed Rail Kit
- USB cable
- Quick start guide
- Safety manual
- Vertiv™ Power Insight management software (free download from Vertiv.com)

With market leading efficiency and unity power factor operation, the Vertiv Liebert GXT5 will meet your critical application needs. And you can rest assured that your business is protected with this Vertiv™ Solution that includes a standard, three-year advanced exchange product warranty.

Vertiv™ Liebert® GXT5 features

Leading UPS technology

- High output power factor up to 1.0
- Full-color graphic LCD with gravity sensing orientation
- External battery cabinets with auto-detection
- Parallel or redundant operation capability (10kVA to 20kVA Models)
- Battery health status and replacement date prediction
- Remote management, update, and configuration capabilities
- Optimized thermal management and variable speed fan for peak efficiency and noise reduction
- 1-Phase or 3-Phase Utility Input (16kVA to 20kVA Models)
- Automatic Internal Bypass

Efficient and green product

- High efficiency in online mode
- Energy Star 2.0 certified
- Even higher efficiency (up to 98%) in Active ECO mode
- Compliance with Restriction of Hazardous Substances (RoHS) directive and the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation

Solutions wide

- Compact rack/tower design
- Broad range of services and extended warranty
- Easy to install, configure and operate

- Vertiv™ Liebert® IntelliSlot™ RDU120 network communications card with advanced features
- Compatibility with environmental sensors
- Integrated dry-contacts with selectable definition
- Free Vertiv™ Power Insight management software
- Serial port for out-of-band management with Vertiv™ Avocent® serial consoles
- Automatic internal bypass and external maintenance bypass options



Vertiv™ Liebert® GXT5 5-20kVA 230V



Technical specifications 5-10 kVA

	Vertiv™ Liebert® GXT5-5000IRT5UXLN	Vertiv™ Liebert® GXT5-6000IRT5UXLN	Vertiv™ Liebert® GXT5-8000IRT5UXLN	Vertiv™ Liebert® GXT5-10KIRT5UXLN
Ratings (VA/W)	5000 VA / 5000 W	6000 VA / 6000 W	8000 VA / 8000 W	10,000 VA / 10,000 W
Dimensions, mm (inches)				
Unit W x D x H	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)
Weight, kg (pounds)				
Unit	70.8 (156)	70.8 (156)	74.5 (164.2)	74.5 (164.2)
Input AC Parameters				
Operating frequency, nominal	50 or 60Hz (Factory default is 50)	50 or 60Hz (Factory default is 50)	50 or 60Hz (Factory default is 50)	50 or 60 Hz (Factory-default is 50 Hz)
Voltage range	230 VAC	230 VAC	230 VAC	230 VAC
Input wiring	Hardwire	Hardwire	Hardwire (common or split bypass)	Hardwire (common or split bypass)
Output AC Parameters				
Output receptacles	Hardwire 2 (C19), 6 (C13)	Hardwire 2 (C19), 6 (C13)	Hardwire 4 (C19), 4(C13)	Hardwire 4 (C19), 4(C13)
Factory-default VAC	230 VAC	230 VAC	230 VAC	230 VAC
Frequency	50Hz or 60Hz, Nominal	50Hz or 60Hz, Nominal	50Hz or 60Hz, Nominal	50Hz or 60Hz, Nominal
Waveform (On Battery)	Sinewave	Sinewave	Sinewave	Sinewave
Utility (AC) mode overload	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous
Battery				
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Backup time (100% load)	7 Minutes	5.5 Minutes	3.5 Minutes	2 Minutes
Backup time (50% load)	18.5 Minutes	14.5 Minutes	9.5 Minutes	7 Minutes
+1 External battery cabinet (100% load)	19 Minutes	14.5 Minutes	9.5 Minutes	7 Minutes
+1 External battery cabinet (50% load)	48 Minutes	38.5 Minutes	26 Minutes	19 Minutes
Environmental requirements				
Operating temperature, °C (°F)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)
Storage temperature, °C (°F)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)
Relative humidity	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating elevation	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating
Audible noise	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides
Agency				
Surge immunity	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A
Transportation	ISTA Procedure 1E	ISTA Procedure 1E	ISTA Procedure 1E	ISTA Procedure 1E
Safety	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark
Emissions	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)
Warranty				
	Standard 3-year warranty (Including the battery)	Standard 3-year warranty (Including the battery)	Standard 3-year warranty (Including the battery)	Standard 3-year warranty (Including the battery)

Technical specifications 16-20 kVA

	Vertiv™ Liebert® GXT5-16KIRT9UXLN	Vertiv™ Liebert® GXT5-20KIRT9UXLN
Ratings (VA/W)	16000 VA/16000 W	20000 VA/20000 W
Dimensions, mm (inches)		
Unit W x D x H	430×630×394 (16.9×24.8×15.5)	430×630×394 (16.9×24.8×15.5)
Weight, kg (pounds)		
Unit	135.2 (298)	135.2 (298)
Input AC Parameters		
Operating frequency, nominal	50 or 60 Hz (factory-default is 50 Hz)	50 or 60 Hz (factory-default is 50 Hz)
Voltage range	288 VAC	288 VAC
Input wiring	Input terminal block	Input terminal block
Output AC Parameters		
Output receptacles	Output terminal block	Output terminal block
Factory-default vac frequency	230 VAC, 50 Hz	230 VAC, 50 Hz
Waveform (on battery)	Sinewave	Sinewave
Utility (AC) mode overload	> 150% minimum 200 ms	> 150% minimum 200 ms
Battery		
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Backup time (100% load)	3.5 Minutes	2.5 Minutes
Backup time (50% load)	9.5 Minutes	7 Minutes
+1 External battery cabinet (100% load)	10 Minutes	7 Minutes
+1 External battery cabinet (50% load)	26.5 Minutes	19.5 Minutes
Environmental requirements		
Operating temperature, °C (°F)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)
Storage temperature, °C (°F)	-15 to 40 (+5 to +104)	-15 to 40 (+5 to +104)
Relative humidity	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating elevation	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating
Audible noise	<58 dBA, at 1 meter from the front	<58 dBA, at 1 meter from the front
Agency		
Surge immunity	IEC/EN EN61000-4-5, Level 4, Criteria A; ANSI C62 41 Category B	IEC/EN EN61000-4-5, Level 4, Criteria A; ANSI C62 41 Category B
Transportation	ISTA Procedure 1E	ISTA Procedure 1E
Safety	UL1778, c-UL listed	UL1778, c-UL listed
Emissions	FCC Part 15 (Class A)	FCC Part 15 (Class A)
Warranty		
	Standard 3-year warranty (Including the battery)	Standard 3-year warranty (Including the battery)



Vertiv™ Liebert® GXT5 Lithium-Ion UPS 1000 - 3000 VA, 230V



Lithium-ion technology delivers two to three times the useful life of lead-acid batteries along with a lower total cost of ownership, making the Vertiv™ Liebert® GXT5 Lithium-Ion online UPS ideally suited for network and server rooms, and other mission-critical edge applications.

Key benefits

- Lowest total cost of ownership; lithium-ion batteries last up to 3 times as long as VRLA batteries
- 5-years standard warranty on the UPS and batteries
- High efficiency, up to 95% in double-conversion online mode to deliver energy savings
- Advanced user-friendly color graphic LCD with gravity sensing orientation for simple local UPS configuration and management
- Flexible 2U rack/tower convertible form factor
- Hot-swappable, user-replaceable internal batteries enable battery replacement without disrupting power to connected equipment
- USB communications for local UPS monitoring and management using free Power Assist software
- Optional Vertiv™ Liebert® IntelliSlot™ RDU120 network communications card for remote monitoring, control and management of the UPS
- Environmentally friendly; RoHS and REACH compliant

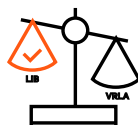
Applications

- Education healthcare
- Retail and wholesale
- Government
- Banking, financial and insurance

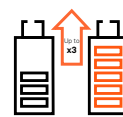
Lowest TCO



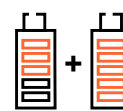
Smaller & lighter



Longer life



Longer runtime



Technical specifications | 1000 VA - 3000 VA, 120V, rack/tower convertible

Standard models models with RDU120	Vertiv™ Liebert® GXT5LI-1000LVRT2UXL GXT5LI-1000LVRT2UXLN	Vertiv™ Liebert® GXT5LI-1500LVRT2UXL GXT5LI-1500LVRT2UXLN	Vertiv™ Liebert® GXT5LI-2000LVRT2UXL GXT5LI-2000LVRT2UXLN	Vertiv™ Liebert® GXT5LI-3000LVRT2UXL GXT5LI-3000LVRT2UXLN
Form factor	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower
Power rating	1000VA / 1000W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
Dimensions, W X D X H, IN (MM)				
Unit	16.9 x 17.3 x 3.4 (430 x 446 x 85)	16.9 x 18.7 x 3.4 (430 x 476 x 85)	16.9 x 18.7 x 3.4 (430 x 476 x 85)	16.9 x 21.5 x 3.4 (430 x 546 x 85)
Shipping	22.4 x 23.5 x 9.5 (570 x 597 x 242)	22.4 x 23.5 x 9.5 (570 x 597 x 242)	22.4 x 23.5 x 9.5 (570 x 597 x 242)	22.4 x 28.2 x 9.5 (570 x 717 x 242)
Weight, LB (KG)				
Unit	37.5lbs (17kg)	39.7lbs (18kg)	39.7lbs (18kg)	48.5lbs (22kg)
Shipping	47.6lbs (21.6kg)	52.9lbs (24kg)	52.9lbs (24kg)	59.7lbs (27.1kg)
Input/output AC parameters				
Input plug	NEMA 5-15P	NEMA 5-15P	NEMA L5-20P	NEMA L5-30P
Input cord	10ft (3m) Attached	10ft (3m) Attached	10ft (3m) Attached L5-20 To 5-20P Adapter	10ft (3m) Attached
Total receptacles	(6) NEMA 5-15R	(6) NEMA 5-15R	(1) NEMA L5-20R, (6) NEMA 5-15/20R	(1) NEMA L5-30R, (6) NEMA 5-15/20R
Programmable receptacles	(4) NEMA 5-15R	(4) NEMA 5-15R	(4) NEMA 5-15/20R	(4) NEMA 5-15/20R
Nominal voltage setting	120VAC Default; 100/110/115/120V/125VAC (User-configurable)	120VAC Default; 100/110/115/120V/125VAC (User-configurable)	120VAC Default; 100/110/115/120V/125VAC (User-configurable)	120VAC Default; 100/110/115/120V/125VAC (User-configurable)
Voltage range without Battery operation	Nominal (full load): 102 - 150 VAC; Maximum: 60 - 150 VAC	Nominal (full load): 102 - 150 VAC; Maximum: 60 - 150 VAC	Nominal (full Load): 102 - 150 VAC; Maximum: 60 - 150 VAC	Nominal (full Load): 102 - 150 VAC; Maximum: 60 - 150 VAC
Frequency range	40~70Hz	40~70Hz	40~70Hz	40~70Hz
Surge protection	ANSI C62.41, Category B	ANSI C62.41, Category B	ANSI C62.41, Category B	ANSI C62.41, Category B
Transfer time	0 ms	0 ms	0 ms	0 ms
Battery waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Battery parameters				
Type	Lithium-Ion (LiFePO4)	Lithium-Ion (LiFePO4)	Lithium-Ion (LiFePO4)	Lithium-Ion (LiFePO4)
Recharge time (from full discharge)	< 2 hrs to 90%	< 2 hrs to 90%	< 2 hrs to 90%	< 2 hrs to 90%
Full-load runtime	13 min	14 min	10.5 min	6.5 min
Half-load runtime	28 min	28 min	22.5 min	15 min
External battery cabinet	VEBCLI-48VRT1U	VEBCLI-48VRT1U	VEBCLI-48VRT1U	VEBCLI-48VRT1U
Environmental				
Operating temperature, °F (°C)	32°F to 104°F (0°C to 40°C) (10% Derating at 50°C)	32°F to 104°F (0°C to 40°C) (10% Derating at 50°C)	32°F to 104°F (0°C to 40°C) (10% Derating at 50°C)	32°F to 104°F (0°C to 40°C) (10% Derating at 50°C)
Storage temperature °F (°C)	-4° to 140° (-20° to 60°)	-4° to 140° (-20° to 60°)	-4° to 140° (-20° to 60°)	-4° to 140° (-20° to 60°)
Relative humidity	0% - 95%, non-condensing 0 to 10,000 (0 to 3,000) w/o Derating	0% - 95%, non-condensing 0 to 10,000 (0 to 3,000) w/o Derating	0% - 95%, non-condensing 0 to 10,000 (0 to 3,000) w/o Derating	0% - 95%, non-condensing 0 to 10,000 (0 to 3,000) w/o Derating
Operating altitude, ft (m)	(15% Derating at 4000m)	(15% Derating at 4000m)	(15% Derating at 4000m)	(15% Derating at 4000m)
Audible noise	< 48 dB	< 48 dB	< 48 dB	< 48 dB
Certifications				
Safety	UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/UPS), UL 1778, CSA 22.2 No. 1073	UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/UPS), UL 1778, CSA 22.2 No. 1073	UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/UPS), UL 1778, CSA 22.2 No. 1073	UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/ UPS), UL 1778, CSA 22.2 No. 1073
Agency	UL 1778, c-UL, NOM, FCC Part 15, Class A	UL 1778, c-UL, NOM, FCC Part 15, Class A	UL 1778, c-UL, NOM, FCC Part 15, Class A	UL 1778, c-UL, NOM, FCC Part 15, Class A
Environmental	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE
Network surge	IEC 61000-4-5, ANSI C62.41, Category B	IEC 61000-4-5, ANSI C62.41, Category B	IEC 61000-4-5, ANSI C62.41, Category B	IEC 61000-4-5, ANSI C62.41, Category B
Transportation	ISTA Procedure 2A	ISTA Procedure 2A	ISTA Procedure 2A	ISTA Procedure 2A
Warranty	5 years on UPS and battery	5 years on UPS and battery	5 years on UPS and battery	5 years on UPS and battery
Equipment protection plan	Up To \$500,000 (for covered equipment)	Up To \$500,000 (for covered equipment)	Up To \$500,000 (for covered equipment)	Up To \$500,000 (for covered equipment)



Vertiv™ Liebert® GXT5 Lithium-Ion UPS 5,000 - 10,000VA 230V

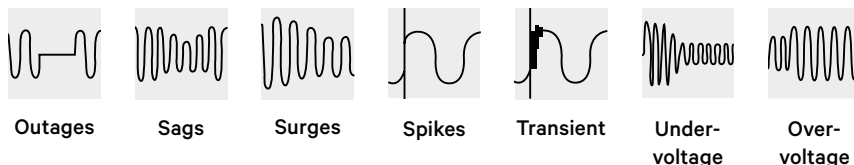
The Vertiv™ Liebert® GXT5 Lithium-Ion UPS provides the highest level of power protection for your business critical IT applications.

High performance online power protection

The Vertiv Liebert GXT5 Lithium-Ion double conversion online UPS provides both the highest level of power conditioning and battery backup for business critical IT equipment such as business network gear and servers enabling your mission-critical applications are protected in the event of an unanticipated loss of power or an unprecedented power surge.

The Vertiv Liebert GXT5 Lithium-Ion UPS protects against the widest range of power fluctuations and automatically switches to battery backup when power loss is detected. With a 0.9 or better output power factor (PF) and no transfer time to operation on battery, you can ensure your most critical assets are protected.

Protects against



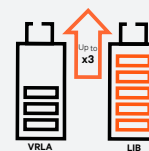
The rack/tower convertible design of the Vertiv Liebert GXT5 Lithium-Ion UPS makes it ideal for edge or distributed IT applications where floor space is at a premium. It is a true low-maintenance, set-it and forget-it solution ideal for remote locations with limited onsite technical resources.



Vertiv™ Liebert® GXT5 Lithium-Ion UPS
5,000 - 10,000VA 230V

Why should you choose Lithium-Ion Technology?

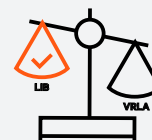
Longer life



Lowest TCO



Small and lighter



Longer runtime



Environmentally friendly



Fast battery recharge



Technical specifications 5-10 kVA

Standard models	Vertiv™ Liebert® GXT5LI-5000GVRT3UXLN	Vertiv™ Liebert® GXT5LI-6000GVRT3UXLN	Vertiv™ Liebert® GXT5LI-8000GVRT3UXLN	Vertiv™ Liebert® GXT5LI-10KGVRT3UXLN
Form factor	3U Rack/Tower		3U Rack/Tower	
Power rating	5000 VA / 5000 W	6000 VA / 6000 W	8000 VA / 8000 W	10,000 VA / 10,000 W
Dimensions, W x D x H, mm (in)				
Unit	430 x 890 x 133 (16.9 x 35 x 5.25 (3U))	430 x 890 x 133 (16.9 x 35 x 5.25 (3U))	430 x 890 x 133 (16.9 x 35 x 5.25 (3U))	
Shipping	798 x 998 x 532 (31.4 x 39.3 x 20.9)		798 x 998 x 532 (31.4 x 39.3 x 20.9)	
Weight, Kg (Lb)				
Unit with EBCs*	45 (99)	99 (45)	48 (105)	
Unit without EBCs	23 (51)	23 (51)	26 (57)	
Shipping	72 (159)	72 (159)	75 (165)	
Input/Output AC parameters				
Input plug	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)
Output	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)	Hardwired (L1-N/L2-G)
Nominal voltage setting	230VAC (Default); 200-240VAC (User-Configurable); ±1%			
Voltage range without battery operation	Nominal (Full Load): 176V - 288V AC; Maximum: 100 - 288VAC			
Frequency range	40~70Hz			
Surge protection	IEC 61000-4-5, ANSI C62.41, Category B			
Transfer time	0 ms			
Battery waveform	Pure Sine Wave			
Battery parameters				
Type	Lithium-Ion (LiFePO4)			
Recharge time (from full discharge)	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%
Full-load runtime	11 min	9 min	5 min	4 min
Half-load runtime	25 min	19 min	15 min	11 min
Replacement battery	N/A, external battery only	N/A, external battery only	N/A, external battery only	N/A, external battery only
External battery cabinet (quantity)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (1)
Environmental requirements				
Operating temperature, °C (°F)	0°C to 40°C (32°F to 104°F) (10% Derating at 50°C)			
Storage temperature °C (°F)	-20° to 60° (-4° to 140°)			
Relative humidity	0% – 95%, non-condensing			
Operating altitude, m (ft)	0 to 3,000 (0 to 10,000) w/o Derating. (15% Derating at 4000m)			
Audible noise	< 58 dB			
Certifications				
Safety	IEC 62040-1:2008+A1 2013, IEC 62619 1st Ed., UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/UPS), UL 1778, CSA 22.2 No. 107.3			
Agency	IEC 62040-1:2008+A1 2013, IEC 62619 1st Ed., IEC 62040-2 2nd Ed., IEC 61000-3-2, IEC 61000-3-12, CISPR22, Class A, FCC Part 15, Class A, UL 1778			
Environmental	RoHS2 / REACH / WEEE			
Network surge	IEC 61000-4-5, ANSI C62.41, Category B			
Transportation	ISTA Procedure 2A			
Warranty	5 years on UPS and Battery			

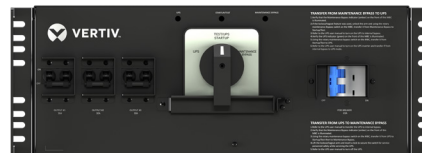
Rack power distribution options

UPS VA rating	rPDU model number	Form factor	Input	Output receptacles
5000VA To 10000VA GV UPS	VP0G7200	Horizontal	Hardwired (L1-L2-G)	(8) U-Lock C-19 Out
	VP4G7006	Vertical	Hardwired (L1-L2-G)	(4) C19, (36) C13/C19 Out



Vertiv™ maintenance bypass cabinet option

Integrated lock out/tag out arm for maximum site and personnel safety.



Vertiv™ Liebert® GXT5 16/20kVA
Maintenance Bypass Cabinet

MBC model number	Dimensions	Input	Compatible UPS
VMBC-20KIRT4U	430W x 550D x 173H (mm)	L-L-L-N-G	GXT5-16KIRT9UXLE GXT5-20KIRT9UXLE

Power emergency and warranty extensions

UPS	Power emergency	Power emergency premier	Warranty extension +1 year	Warranty extension +2 years	Warranty extension +3 years
GXT5-750IRT2UXL GXT5-1000IRT2UXL	RUPS-PE5-004	-	RUPS-WE1-004	RUPS-WE2-004	RUPS-WE3-004
GXT5-1500IRT2UXL GXT5-2000IRT2UXL	RUPS-PE5-005	-	RUPS-WE1-005	RUPS-WE2-005	RUPS-WE3-005
GXT5-3000IRT2UXL	RUPS-PE5-006	RUPS-PEP5-006	RUPS-WE1-006	RUPS-WE2-006	RUPS-WE3-006

Vertiv™ Liebert® GXT5 5-20 KVA	Power assurance	Power assurance premier	Warranty extension +1 year	Warranty extension +3 years
5/6 kVA	RUPS-PA5-007	RUPS-PAP5-007	RUPS-WE1-007	RUPS-WE3-007
8/10 kVA	RUPS-PA5-008	RUPS-PAP5-008	RUPS-WE1-008	RUPS-WE3-008
16/20 kVA	RUPS-PA5-009	RUPS-PAP5-009	RUPS-WE1-009	RUPS-WE3-009

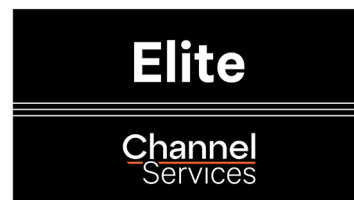
Recommended services



Warranty extension



Power emergency/
Power assurance
(depending on micro/small range)



Power emergency premier/
Power assurance premier
(depending on micro/small range)

Power distribution

Increasing rack power density both in the data center and at the network edge means that reliable power distribution is crucial. Our innovative power distribution units and rack PDUs not only maintain power, but they also enable us to support you in any challenges your IT infrastructure might face. From basic PDUs, to monitored and switched rack power distribution units, to locking receptacles, Vertiv's solutions will offer the power distribution you need, as well as remote monitoring and management of your assets' power usage, so you can rest assured everything is running at peak performance.



Built for high-density, high-ampacity power distribution

Meeting modern demands:

As data centers evolve, configurations exceeding 25 kW are becoming more common, driving the need for higher-density rack PDUs to efficiently manage power distribution and thermal management. Vertiv™ PowerIT High-Density rPDU is designed to address these requirements and support increasing power demands in data centers.

Advanced monitoring and management:

Vertiv™ PowerIT offers a wide range of monitored and switched rPDUs equipped with network interfaces for remote monitoring, management, and automated alerts. These capabilities provide critical insights that support improved data center energy efficiency and help prevent downtime by issuing alerts when user-defined thresholds for power and environmental conditions are exceeded.

Engineered for high performance:

Vertiv PowerIT High Density rPDU is built to meet the rising power requirements of data centers, particularly those supporting high-performance computing (HPC) and artificial intelligence (AI) applications. With the capability to deliver up to 66.4 kW per unit, it provides dependable power distribution for high-density environments while maintaining performance and reliability.

Three-phase power:

Three-phase power systems are particularly well suited for meeting the high power demands of AI and other high-density computing environments. These systems connect three voltage sources or loads to balance power distribution efficiently. The most commonly used configurations, 208V Delta, 240–415V WYE, and 277/480V WYE, enable effective power delivery and management.

Beyond power distribution:

Vertiv PowerIT High Density rPDU integrates with data center infrastructure management (DCIM) systems to provide visibility into rack-level power usage and environmental conditions, enabling more effective monitoring and capacity management.

This makes three-phase power systems well suited for supporting intensive computing workloads.

208V Delta

240/415V WYE

Voltage levels	Provides voltage levels ranging from 200–240V, with the most common being 208V.	Provides voltage range of 200–240/346–415V, with the most common being 240V (USA) or 230V (EMEA) Line-to-Neutral output.
Configurations	Employs a triangular connection of three phases (AB, BC, and CA) without a neutral wire	Three phases joined in a Y-shaped pattern and connected by a neutral wire.
Applications	Legacy servers, blade servers and micro servers.	High-performance servers, storage arrays, and networking equipment.
Advantages	Power Efficiency: Well-suited for high-power applications due to its voltage range.	Global Availability: WYE power systems operating at 240/415V are more commonly used than 208V Delta systems. This widespread adoption standardizes components and simplifies maintenance and replacements, streamlining installation and upkeep.
	Cost-Effectiveness: Existing installations can use it without major infrastructure changes.	Scalable Power: Accommodates increased demands as a data center expands or adds new equipment.
	Compatibility with Legacy Equipment: In retrofit scenarios, where older equipment is still in use, the 208V Delta system provides continuity.	

Enhanced features for high-density demands

Vertiv offers a diverse line of high-density rPDUs, tailored to enhance performance and management in high-density environments. The two major types to consider are monitored and switched models.

Monitored rPDUs provide comprehensive power usage data, making them ideal for optimizing energy efficiency and power distribution in high-density settings. These rPDUs offer detailed insights into power consumption, helping to maintain operational efficiency.

Switched rPDUs offer the same benefits with the added advantage of controlling individual outlets. This allows for remote management of power loads and the ability to reboot unresponsive equipment, providing greater flexibility and control.

Both types integrate seamlessly with your high-performance infrastructure computing infrastructure, enhancing resilience and performance. Let's compare their features to determine the best fit for your needs.

	Monitored rPDUs	Switched rPDUs
Power usage data		
Remote on/off control of individual outlets		
Real-time monitoring and remote power cycling		
Energy efficiency optimization		
Prevents overloads by turning off outlets		
Remotely reboots unresponsive equipment		
Integrates with equipment management systems		



Go beyond the standard with configure-to-order capabilities:



Chassis color

Differentiate between primary and secondary power feeds with color-coded rPDUs.



Outlet and plug type

Modify the rPDU by selecting the outlet type, placement, and color-coding to meet specific needs.



Intelligence

Choose from basic to intelligent features to optimize your rack power infrastructure.



Cord length

Select a cord length ranging from 2 to 15 feet to simplify cable management.

At a glance

Advanced security

- UL2900-1 certificate, and Secure Boot with firmware signature and hardware trust anchor
- Supports highest security communication together with
- Vertiv™ Avocent® ACS VPN and out-of-band communications for edge applications.
- Includes SNMPv3, SSH, HTTP/HTTPS, and IPv4/IPv6 protocols.

Compatibility with all industry-standard racks and power chain

- Available in major global voltage and amperage combinations, including higher-voltage options such as 277/480V configurations used in data centers or remote sites.
- Easily integrates with a range of Vertiv™ power solutions. Trained service professionals can assist in selecting the appropriate rPDU for specific power infrastructure requirements.

Simplified integration with management tools

- Integration with Vertiv™ software stack to simplify implementation and change management, helping reduce costs.
- Support for all major management, authentication and encryption standards and protocols to fully integrate with higher level data center management software provided by Vertiv or third parties.

Optimized energy and capacity management

- Metering of key electrical parameters with +/-1% accuracy provides highly accurate comprehensive power monitoring.
- Lowest idle power consumption in the industry.
- Vertiv™ DCIM solutions provide reports on power and environmental trends to help optimize IT energy usage.

Designed for high availability

- High operating temperature rating to accommodate increased rack densities.
- Secure cords with U-Lock outlets to prevent accidental dislodging.

Hot-swappable Interchangeable Monitoring Device (IMD)

- Allows for easy upgrades and maintenance without disrupting power distribution.

Dual ethernet ports

- Simplifies management of multiple PDUs with fault-tolerant daisy chaining or IP aggregation capabilities.

UL and CE marked

- Meets important regulatory requirements for data centers.

Individual testing

- Each unit undergoes rigorous testing for functionality to enable reliability.

Color

- Black powder coat finish. Red, orange, yellow, green, blue, white.
- Available on configure-to-order units.

Warranty

- 5-year limited warranty
- Certifications*
- RoHS
- UL & c-UL listed 62368
- CE marked
- FCC part 15 class a conformance
- TAA Compliant

*Certifications vary by model. Refer to the product data sheet for specific regulatory information.

Configure-to-order and engineer-to-order

Engineered-to-order units allow further customization, including colored chassis options, alongside varying power and receptacle configurations. Contact your Vertiv sales team for more information.

Interfaces/ports*

- Serial port
- Modem (RJ-12)
- Network (RJ-45)
- USB

Intelligence type

- Basic upgradable
- Unit level monitored
- Outlet level monitored
- Switched unit level monitored
- Switched outlet level monitored



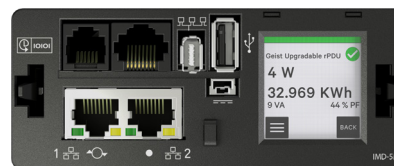
Vertiv™ PowerIT Monitored rPDU



Vertiv™ PowerIT UPDU



Vertiv™ PowerIT Rack Transfer Switch



Vertiv™ PowerIT IMD-5M Intelligence Card



Vertiv™ PowerIT Rack Transfer Switch



Vertiv™ PowerIT Rack Transfer Switch



Vertiv™ PowerIT Basic rPDU

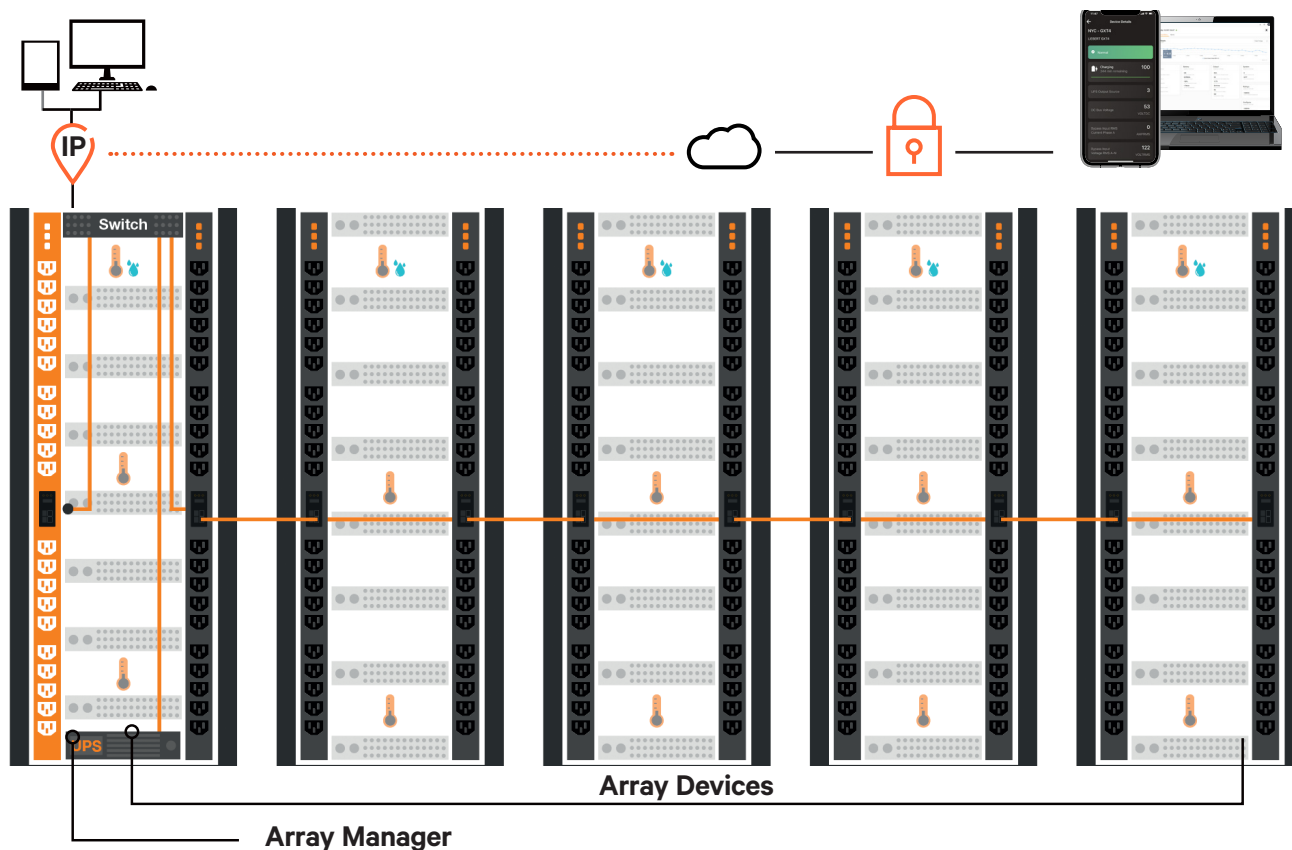
Contact: Sales support Americas

sales@vertiv.com | +18886304445



Vertiv™ Intelligence Director

Plug-n-play data center infrastructure enabling lightning-fast AI and HPC deployments.



The next generation of Vertiv™ PowerIT rPDUs offer enhanced monitoring and simplified networking with the introduction of Vertiv™ Intelligence Director.

*One unit per group is required to have an IMD-03E, IMD-03E-S, IMD-3E, IMD-3E-S, IMD-03E-G, IMD-3E-G or IMD-5M

**Vertiv™ Intelligence Director compatible with Vertiv™ MPH2 and Vertiv™ MPX rack Vertiv™ GXT4, Vertiv™ GXT5, Vertiv™ PSI5, Vertiv™ EXM, Vertiv™ APM and Vertiv™ ITA2 UPS, Vertiv™ CRV row cooling and USB-connected Vertiv™ VRC cooling.

- On Monitored* and Switched units, users have the ability to daisy chain up to 50 devices with a single IP address.
- Access data from all downstream rPDU and UPS** devices from one rPDU.
- Users are able to aggregate data by grouping devices by rack or row.
- Downstream devices self-configure, significantly reducing deployment time.
- Securely transmit device data to the Vertiv™ Intelligence cloud for anytime access to critical infrastructure information.

How it works

1. Designate a Switched or Monitored unit as the array manager.
2. Connect up to 50 array devices through a network switch or by daisy chaining the rPDUs to the array manager.
3. Securely access array device data via SNMP or the array manager user interface through a single IP address and bring the consolidated data in your private cloud.
4. Bring your infrastructure data together with the option to connect to the Vertiv Intelligence cloud platform.

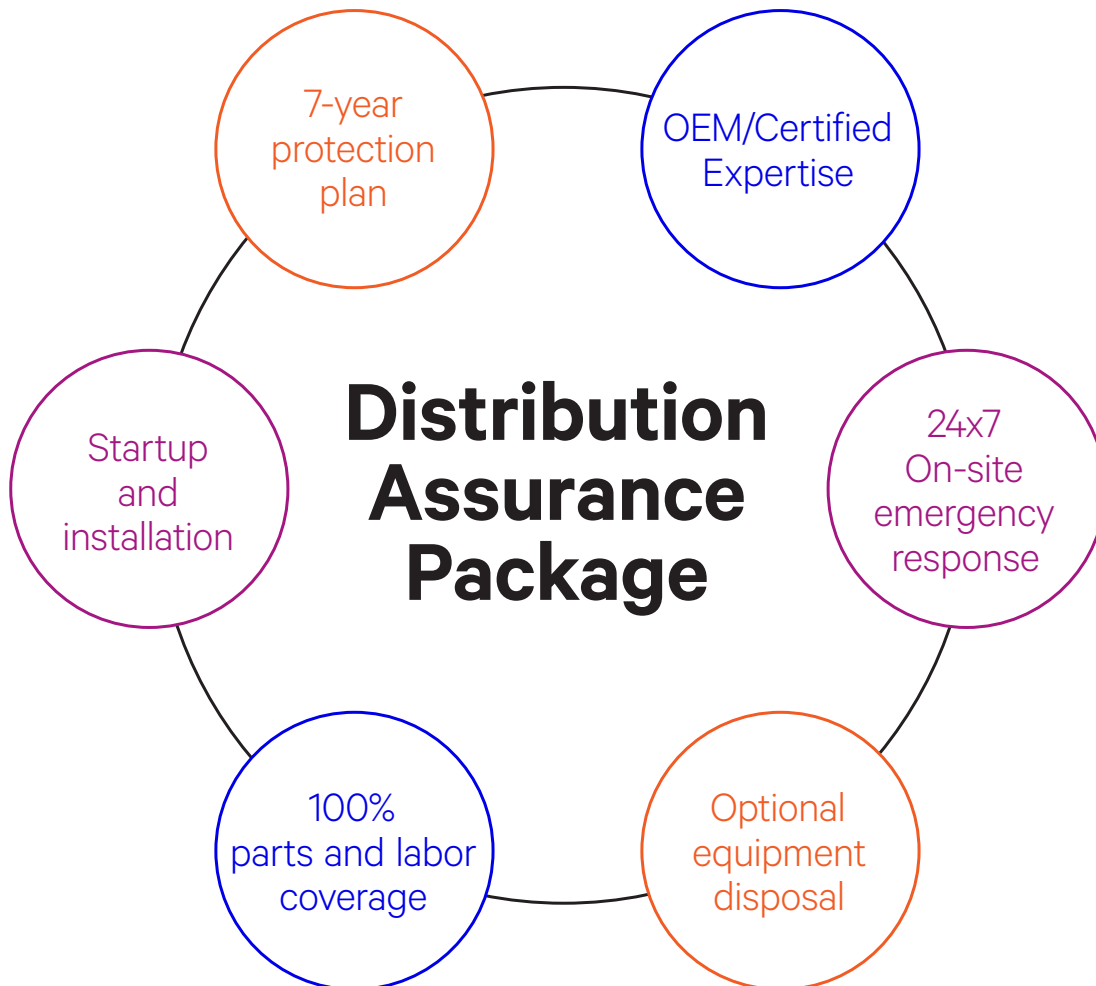
Vertiv™ Distribution Assurance Package

Combining market-leading rPDU technology with a seven-year protection plan

Rack Power Distribution Units (rPDUs) are the final link in the power chain, delivering critical power to IT loads. These components play a key role in data center infrastructure management by providing access to rack-level power consumption and environmental information, enabling direct control of power to IT equipment for improved capacity and power management.

Proper installation and maintenance are essential to system availability. However, internal resources operating under time and budget constraints may not always provide the required level of attention. In addition, services delivered outside of the original equipment manufacturer (OEM) may lack the depth and level of expertise required.

A bundled solution that combines market-leading rPDU technology with OEM-provided lifecycle services helps simplify IT equipment management.





Service options: Vertiv™ PowerIT rPDUs and Vertiv™ PowerIT RTS – Service options

Distribution Assurance Package

Bundled Start-up Service AND 7-Year On-site Emergency Response	Single Site	Single Site with Removal	Multi-site co-location	Multi-site with Removal
Equipment Model / Type	Part Number	Part Number	Part Number	Part Number
Rack PDU	DAPRPDU-GE1	DAPRPDU-GERMV1	DAPRPDU-GEX	DAPRPDU-GERMVX
Rack Transfer Switch	DAPRPDU-GE1	DAPRPDU-GERMV1	DAPRPDU-GEX	DAPRPDU-GERMVX

Vertiv™ PowerIT rPDU Startup Services

Startup Service Only	Single Site	Single Site with Removal	Multi-site co-location	Multi-site with Removal
Equipment Model / Type	Part Number	Part Number	Part Number	Part Number
Rack PDU	SURPDU-GE1	SURPDU-GERMV1	SURPDU-GEX	SURPDU-GERMVX
Rack Transfer Switch	SURPDU-GE1	SURPDU-GERMV1	SURPDU-GEX	SURPDU-GERMVX

Distribution Emergency Service

7-Year On-site Emergency Response	Monitored/Switched rPDU	Basic Non-Monitored rPDU
Equipment Model / Type	Part Number	Part Number
Rack PDU	DEP-rPDU-Mntrd	DEP-rPDU-nMntrd
Rack Transfer Switch	DEP-rPDU-Mntrd	DEP-rPDU-nMntrd

Distribution Assurance Package - Summary

Distribution Assurance Package - Summary

- Includes all below “rPDU Start-up Services” and “Distribution Emergency Services” support.

Vertiv™ PowerIT rPDU Startup Services - Summary

- Installation includes mounting and start-up of new rPDU or RTS (excludes hard-wired applications).
- Services performed by Vertiv factory trained technician.
- Services performed 7 X 24, excluding national holidays within the 48 contiguous states, Hawaii and Canada.
- Removal and disposal of existing rPDU or RTS equipment, if selected.

Distribution Emergency Services - Summary

- On Site Service Support.
- Full-service seven (7) year contract term commencing upon the start-up date.
- 100% parts coverage.
- 100% labor and travel coverage 7 days/week, 24 hours/day.
- 24-Hour Customer Resolution Center via 1-800-LIEBERT.
- Access to Customer Services Network portal.

Please refer to the Scopes of Work for full and additional details.

Comprehensive Vertiv services and solutions to support healthcare, medical imaging, and diagnostic applications

Startup and installation

Factory-authorized Vertiv technicians handle rPDU installation and startup at the site. This provides added convenience while allowing IT staff to focus on other priorities.

Seven-year protection plan

The Distribution Assurance Package provides 100 percent labor, travel, and parts coverage for maintenance, repair, or replacement over a seven-year period. This level of protection helps reduce unexpected downtime costs and supports network availability.

Optional removal and disposal

If ordered with the Distribution Assurance Package, technicians remove and dispose of existing rPDUs in accordance with all regulatory requirements. This optional service is performed during installation and startup of new rPDUs.

On-site support and emergency response

Trained service professionals from Vertiv provide industry-leading capabilities for maintaining and supporting rPDUs. 24x7 access to the Vertiv Customer Resolution Center delivers priority response and onsite emergency support when issues arise.

Comprehensive reports

On-demand access to service histories and reports is available through the Customer Services Network portal, providing visibility into the status of rPDUs under contract and simplifying management of this critical power system component.



Ordering information

To learn more about this service and other Vertiv™ solutions, please visit [Vertiv.com](https://www.vertiv.com) or call **1-800-543-2378**.

Contact: Sales support Americas

sales@vertiv.com | +18886304445



Enhanced performance and management of dynamic IT spaces

Enhance business agility, efficiency and availability with Vertiv™ PowerIT Rack PDUs

Data center investments are sizable, and each component of the power chain from the facility entrance to the rack power distribution is crucial to enabling equipment availability. Enable your IT investment and your business to stay protected with the Vertiv™ PowerIT family of Rack PDU (rPDU) offerings.

The next generation of rPDUs provides the industry's highest availability and most intelligent power monitoring and distribution — complete with simplified energy management, a future-proof design, and cost savings that ensure your data center and your business — can operate at peak efficiency.

Our complete portfolio of rPDUs offer value beyond power distribution. They easily integrate with your data center infrastructure management systems to make your organization more resilient, enhance your business and provide the technological support you need to grow your company.



Power

Monitor

Integrate

Basic rPDUs

Vertiv™ PowerIT Basic Rack PDUs (rPDUs) offer reliable, space saving, and cost-effective power distribution at the rack. Our Basic rPDUs meet a broad range of power distribution requirements for all IT applications.

Intelligent rPDUs

Vertiv™ PowerIT offers a wide range of monitored and switched rPDUs equipped with a network interface to allow for remote monitoring, management, and automated alerts. Vertiv™ PowerIT rPDUs offer important insights on how to improve data center energy efficiency while enabling you to prevent downtime, providing notifications when user-specified thresholds for power and environmental conditions are breached.

At a glance

Color

Black powder coat finish.
Red, orange, yellow, green, blue, white available on built-to-order units.

Warranty

5-Year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years.

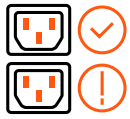
Certifications*

- RoHS
- Assessed to EN 60950 for CE
- Assessed to EN 55032 and EN 55024 for CE
- UL & c-UL Listed 60950
- FCC Part 15 Class A Conformance

Configure-to-order and engineer-to-order capabilities

Built-to-order units provide additional features, colored chassis options, and varying power and receptacle configurations. Contact your vertiv sales team for more information.

*Certifications vary by model. Refer to the product data sheet for specific regulatory information.



Outlet control

Address unresponsive equipment or increase runtime of critical equipment upon power failure with outlet-level control.



Upgradable & hot-swappable

Easily update your rPDU's monitoring capabilities to adapt to latest technologies and changing business needs.



Environmental monitoring

Proactively monitor environmental conditions within the cabinet to ensure optimal operating conditions. A variety of sensors are available to meet your needs including temperature, humidity, airflow, door position, flood detection and more.



Combination C13/C19 outlet

C13 and C19 in one. Provides the flexibility to connect C14 and C20 plugs in the same outlet. High retention color coded outlets are P-Lock cable compatible.



U-lock

Secure power cords and avoid accidental disconnections. Receptacles are color-coded by circuit for instant identification.



Vertiv™ Intelligence Director

Daisy-chain up to 50 devices on a single IP address. Reduce deployment time with self-configuration of downstream devices.



High temperature grade

Up to 60°C working ambient variants for high temperature environments.



Remote connectivity

Access the rPDU remotely via the network interface or serial connection to monitor power consumption and configure user-defined alert notifications to prevent downtime.



Fault-tolerant daisy chaining

Simplifies intelligent rPDU connectivity and keeps data reporting active even when a break in the network chain occurs.



Visible Light Communication (VLC)

Optically transmit data from the rPDU display to your mobile device using VLC for quick and secure access to unit and power consumption data.



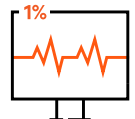
Small footprint and low profile breakers

Compact size to install in tight spaces.



Power monitoring 1% accuracy

Allows data center managers to accurately monitor input and outlet level power usage with 1% monitoring accuracy tested to ANSI and IEC standards.



Universal input

A universal input with a pivoting connector simplifies IT power infrastructure deployments by enabling users to standardize on a single rPDU globally.





Made to stock reference PDU models:

Model	rPDU Type	rPDU Sub-Type	Horizontal /Vertical	Volts	Amps	Max kVA	Plug Type	Socket QTY/ Type	Max Operating Temp*	VI Director	RCM-B
VP7552	Basic	Standard	V	230V	16A	3.6kVA	C20 Inlet	(20) C13 / (4) C19	45°C	N/A	No
VP7553	Basic	Standard	V	230V	32A	7.3kVA	1P+N+E(IP44)	(20) C13 / (4) C19	45°C	N/A	No
VP7557	Basic	Standard	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) C13 / (6) C19	45°C	N/A	No
VP4G20AD	Monitored	Unit Level	V	230V	16A	3.6kVA	C20 Inlet	(18) C13 / (2) C19	60°C	Yes	No
VP4G30AR	Monitored	Unit Level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(36) C13 / (6) C19	60°C	Yes	No
VP4G30AK	Monitored	Unit Level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(36) Combination C13/C19	60°C	Yes	No
VP6G30A9	Monitored	Outlet Level	V	230V	32A	7.3kVA	1P+N+E (IP44)	(30) U-Lock C13 / (6) U-Lock C19	60°C	Yes	No
VP4G20AE	Monitored	Unit Level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) C13 / (6) C19	60°C	Yes	No
VP4G20AB	Monitored	Unit Level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) Combination C13/C19	60°C	Yes	Yes
VP4G30AS	Monitored	Unit Level	V	230/400V	32A	22kVA	3P+N+E (IP44)	(30) C13 / (12) C19	60°C	Yes	No
VP4G30AF	Monitored	Unit Level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C19	60°C	Yes	No
VP4G30AP	Monitored	Unit Level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C20	60°C	Yes	Yes
VP7G30AH	Switched	Outlet Level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C20	60°C	Yes	No
VP5G20AG	Switched	Unit Level	V	230V	16A	3.6kVA	C20 Inlet	(21) U-Lock C13 / (3) U-Lock C19	60°C	Yes	No
VP5G30A7	Switched	Unit Level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(20) U-Lock C13 / (4) U-Lock C19	60°C	Yes	No
VP7G30A7	Switched	Outlet Level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(20) U-Lock C13 / (4) U-Lock C19	60°C	Yes	No
VP7G20A3	Switched	Outlet Level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(30) U-Lock C13 / (6) U-Lock C19	60°C	Yes	No
VP7G30A0	Switched	Outlet Level	V	230/400V	32A	22kVA	3P+N+E (IP44)	(30) U-Lock C13 / (6) U-Lock C19	60°C	Yes	No

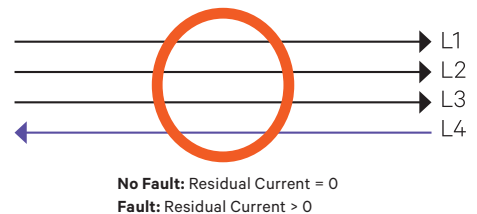
Made to stock reference PDU models:

Model	rPDU type	rPDU sub-type	Horizontal / vertical	Volts	Amps	Max kVA	Plug type	Socket qty/type	Max operating temp*	VI director	RCM-B
VP7552	Basic	Standard	V	230V	16A	3.6kVA	C20 Inlet	(20) C13 / (4) C19	45°C	N/A	No
VP7553	Basic	Standard	V	230V	32A	7.3kVA	1P+N+E(IP44)	(20) C13 / (4) C19	45°C	N/A	No
VP7557	Basic	Standard	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) C13 / (6) C19	45°C	N/A	No
VP4G20AD	Monitored	Unit level	V	230V	16A	3.6kVA	C20 Inlet	(18) C13 / (2) C19	60°C	Yes	No
VP4G30AR	Monitored	Unit level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(36) C13 / (6) C19	60°C	Yes	No
VP4G30AK	Monitored	Unit level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(36) Combination C13/C19	60°C	Yes	No
VP6G30A9	Monitored	Outlet level	V	230V	32A	7.3kVA	1P+N+E (IP44)	(30) U-Lock C13 / (6)U-Lock C19	60°C	Yes	No
VP4G20AE	Monitored	Unit level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) C13 / (6) C19	60°C	Yes	No
VP4G20AB	Monitored	Unit level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(36) Combination C13/C19	60°C	Yes	Yes
VP4G30AS	Monitored	Unit level	V	230/400V	32A	22kVA	3P+N+E (IP44)	(30) C13 / (12) C19	60°C	Yes	No
VP4G30AF	Monitored	Unit level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C19	60°C	Yes	No
VP4G30AP	Monitored	Unit level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C20	60°C	Yes	Yes
VP7G30AH	Switched	Outlet level	V	230/400V	32A	22kVA	3P+N+E(IP44)	(36) Combination C13/C20	60°C	Yes	No
VP5G20AG	Switched	Unit level	V	230V	16A	3.6kVA	C20 Inlet	(21) U-Lock C13 / (3)U-Lock C19	60°C	Yes	No
VP5G30A7	Switched	Unit level	V	230V	32A	7.3kVA	1P+N+E(IP44)	(20) U-Lock C13 / (4)U-Lock C19	60°C	Yes	No
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VP7G20A3	Switched	Outlet level	V	230/400V	16A	11kVA	3P+N+E (IP44)	(30) U-Lock C13 / (6) U-Lock C19	60°C	Yes	No
VP7G30A0	Switched	Outlet level	V	230/400V	32A	22kVA	3P+N+E (IP44)	(30) U-Lock C13 / (6)U-Lock C19	60°C	Yes	No

*Certifications vary by model. Refer to the product data sheet for specific regulatory information.

Protection for your customers' most valuable assets with residual current metering

Select Vertiv™ PowerIT rack PDU models support Residual Current Metering Type B (RCM-B). RCM-B continuously monitors the fault current of the power distribution within the IT rack. Customisable alarms provide immediate notifications of changes in residual current leakage allowing users to respond to a fault condition immediately to avoid potential catastrophic events such as critical equipment shutdown, electric shock, and electrical fires.

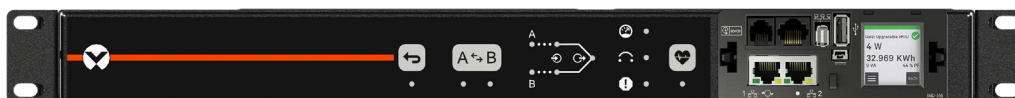




Safeguard your critical IT infrastructure in the event of a power failure.

The Vertiv™ PowerIT Rack Transfer Switch delivers redundant power to single corded devices. Two independent power inputs enables users to connect to a primary and secondary power source. The Vertiv PowerIT Rack Transfer Switch automatically detects the loss of power and switches the power load to the alternative power source in less than 4-8 milliseconds without the need for human intervention. Maintaining power to the equipment until the primary power source returns providing ultimate mission-critical power reliability.

The Vertiv PowerIT Rack Transfer Switch is an open transition switch utilizing a break-before-make process for transferring between the primary and secondary power source. This method of switching does not require phase synchronization between the two power feeds making it suitable for use in both data center and edge locations. It also includes enhanced redundant switches and fail-safe fused thermistors to mitigate current surge during transfers ensuring critical equipment is protected during fail-over.



Front view



Rear view

The Vertiv™ PowerIT Rack Transfer Switch

The Vertiv™ PowerIT Rack Transfer Switch provides the widest range of configuration options to support redundancy strategies in most data center and edge applications.

Upgradeable technology

The Rack Transfer Switch utilizes the evolutionary upgradeable technology used in the Vertiv™ PowerIT rack PDUs. It provides users with the flexibility to install the intelligence they require today, with the option to upgrade technology as needs evolve. From basic power to power monitoring, the Vertiv™ PowerIT Upgradeable product line adapts to your business well into the future.

Enhanced intelligence

Intelligent models provide a comprehensive view of critical IT equipment power usage at the rack or via remote access. Set user-defined thresholds to receive notifications when power and environmental conditions fall outside the desired range. Outlet level monitored units provide a granular view of equipment power usage, and Switched models enable users to turn-on, turn-off, or reboot individual outlets.

Available in a variety of single phase electrical and receptacle configurations with different intelligence options.

At a glance

Intelligence type

- Basic upgradable
- Unit level monitored
- Outlet level monitored
- Switched unit level monitored
- Switched outlet level monitored

Rack mount configuration

- 1U and 2U horizontal

Global compliance

- UL listed and CE marked

Voltage range

- 100-240V

Amperage range

- 10A, 15A, 16A, 20A, 30A, and 32A

Receptacle type

- Combination C13/C19, U-Lock C13, NEMA 5-15R and NEMA 5-20R
- L6-30C and IEC 2P+E IP44



Easy to use front panel interface

The front panel interface provides visual identification of the active power source and allows users to do a manual transfer to the secondary power source remotely or with the touch of a button to perform equipment maintenance.

<4-8ms transfer speed

When power is lost on the primary source, the Vertiv™ PowerIT Rack Transfer Switch transfers to the backup or secondary source in under 4-8 milliseconds to ensure critical IT equipment continues to receive power during a power outage.



Specifications

		208V Native	208V Native	480V Native	
	Power rating – kW/kVA	10, 15, 20, 30, 40	60, 80, 100, 120, 140, 160, 180, 200	30, 40, 50, 75, 100, 125, 150, 175, 200, 225, 250	
	Internal battery supported	Y	N	N	
Input AC specifications	Phase/power factor/ freq	3 / 0.99 lagging minimum at full load / 40-70 Hz			
	Input voltage	208, 220, 4801, 6001 VAC, 60Hz, 3-phase, 4-wire plus ground			
General specifications	UPS technology	On-line double conversion			
Battery specifications	Battery test type/ battery technology	Online / valve-regulated lead acid battery / Lithium-ion (for 480V only)			
Output AC specifications	Voltage	208/120, 220/127VAC, 60Hz 3-phase, 3- or 4-wire plus ground	480VAC, 60Hz 3-phase, 3-wire plus ground		
	Frequency – Hz				
Communications	Options	3 Liebert IntelliSlots			
	Card compatibility	IS-UNITY-DP, IS-UNITY-LIFE, IS-485EXI, IS-RELAY			
	Protocols available	MODBUS-IP, MODBUS-485, BACNET-IP, BACNET-MSTP, SNMP, HTTP, LIFETM Services, Relay contacts			
Environmental sensors	Liebert SN series	Temperature, humidity, temperature/humidity combination, contact closure			
Physical data UPS	UPS rating	Unit weight lb (kg)	Dimensions, W X D X H in (mm)	Unit weight lb (kg)	Dimensions, W X D X H in (mm)
	10kVA, 15kVA, 20kVA	604 (274)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	N/A	N/A
	30kVA, 40kVA	678 (307.5)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	748 (339)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	50kVA	678 (307.5)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	748 (339)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	60kVA	807 (366)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	N/A	N/A
	75kVA	N/A	N/A	842 (382)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	80kVA	881 (399.6)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	N/A	N/A
	100kVA	955 (433.1)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	842 (382)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	120kVA	1221 (553.8)	34.6 x 39.5 x 78.7 (880 x 1000 x 2000)	N/A	N/A
	125kVA	N/A	N/A	936 (425)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	150kVA	N/A	N/A	936 (425)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	160kVA	1368 (620.5)	34.6 x 39.5 x 78.7 (880 x 1000 x 2000)	N/A	N/A
	175kVA	N/A	N/A	1030 (467)	33.0 x 39.5 x 78.7 (880 x 1000 x 2000)
	180kVA	1442 (654)	34.6 x 39.5 x 78.7 (880 x 1000 x 2000)	N/A	N/A
	200kVA	1516 (687.6)	34.6 x 39.5 x 78.7 (880 x 1000 x 2000)	1030 (467)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)
	225kVA	N/A	N/A	1030 (467)	33.0 x 39.5 x 78.7 (840 x 1000 x 2000)
	250kVA	N/A	N/A	1244 (564)	33.0 x 39.5 x 78.7 (840 x 1000 x 2000)

Physical data ancillaries	Weight lb (kg)	Dimensions, W X D X H in (mm)	Weight lb (kg)	Dimensions, W X D X H in (mm)
600mm Bypass distribution cabinet	550 (250)	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	N/A	N/A
300mm Maintenance bypass cabinet	288 (131)	7.9 x 39.5 x 78.7 (200 x 1000 x 2000)	288 (131)	11.8 x 39.5 x 78.7 (300 x 1000 x 2000)
200mm Maintenance bypass cabinet	198 (90)	7.9 x 39.5 x 78.7 (200 x 1000 x 2000)	198 (90)	N/A
1200mm Battery cabinet	N/A	N/A	4907 (2226) with HX540 batteries	1200mm battery cabinet 47.3 x 39.5 x 78.7 (1200 x 1000 x 2000)
880mm Battery cabinet	3649 (1656) with HX540 batteries	34.7 x 39.5 x 78.7 (880 x 1000 x 2000)	2962 (1344) with HX300 batteries	34.7 x 39.5 x 78.7 (880 x 1000 x 2000)
600mm Battery cabinet	2454 (1114) with HX330 batteries	23.6 x 39.5 x 78.7 (600 x 1000 x 2000)	N/A	N/A
320mm Battery cabinet	1432 (650) with HX205 batteries	12.6 x 39.5 x 78.7 (320 x 1000 x 2000)	N/A	N/A
Lithium-ion battery cabinet (Samsung)	N/A	N/A	1200 (545) with batteries	26 x 24 x 81 (650 x 600 x 2055)
Environmental	Operating temperature, °F (°C): UPS: 32° to 104°F (0-40°C); Battery: 68° to 86°F (20-30°C). Relative humidity: 0% to 95%, non-condensing. Operating altitude: Up to 3,300 ft. (1,000m) without derating. Acoustical noise, db, at 39 in.: Less than 59 dBA typical, 3.3 ft. (1m) from the unit.			
Agency/certification/ conformance	Listed to UL 1778 , UL 924 and CSA certified. Meets current requirements for safe high performance UPS operation. ENERGY STAR® qualified. Seismic and OSHPD certified.			
Warranty standard	1 year			



Vertiv™ PowerGo rPDUs

Simplify and enhance your power distribution with our Vertiv™ PowerGo Rack Power Distribution Unit (PDU). Designed for reliability and ease of use, our PDU provides essential power distribution features at budget-friendly price. Perfect for small to medium-sized server racks, data centers, and network closets, our Vertiv PowerGo Rack PDU provides power and control in a straightforward package.

Explore our comprehensive portfolio featuring monitoring and control functionalities:

Vertiv™ PowerGo Basic rPDUs:

Provide your equipment receives consistent and reliable power with Vertiv PowerGo Basic rPDUs. With compact space saving design, rack PDUs are compatible with rack portfolio.

Vertiv™ PowerGo Monitored rPDUs: Vertiv™ PowerGo Switched rPDUs:

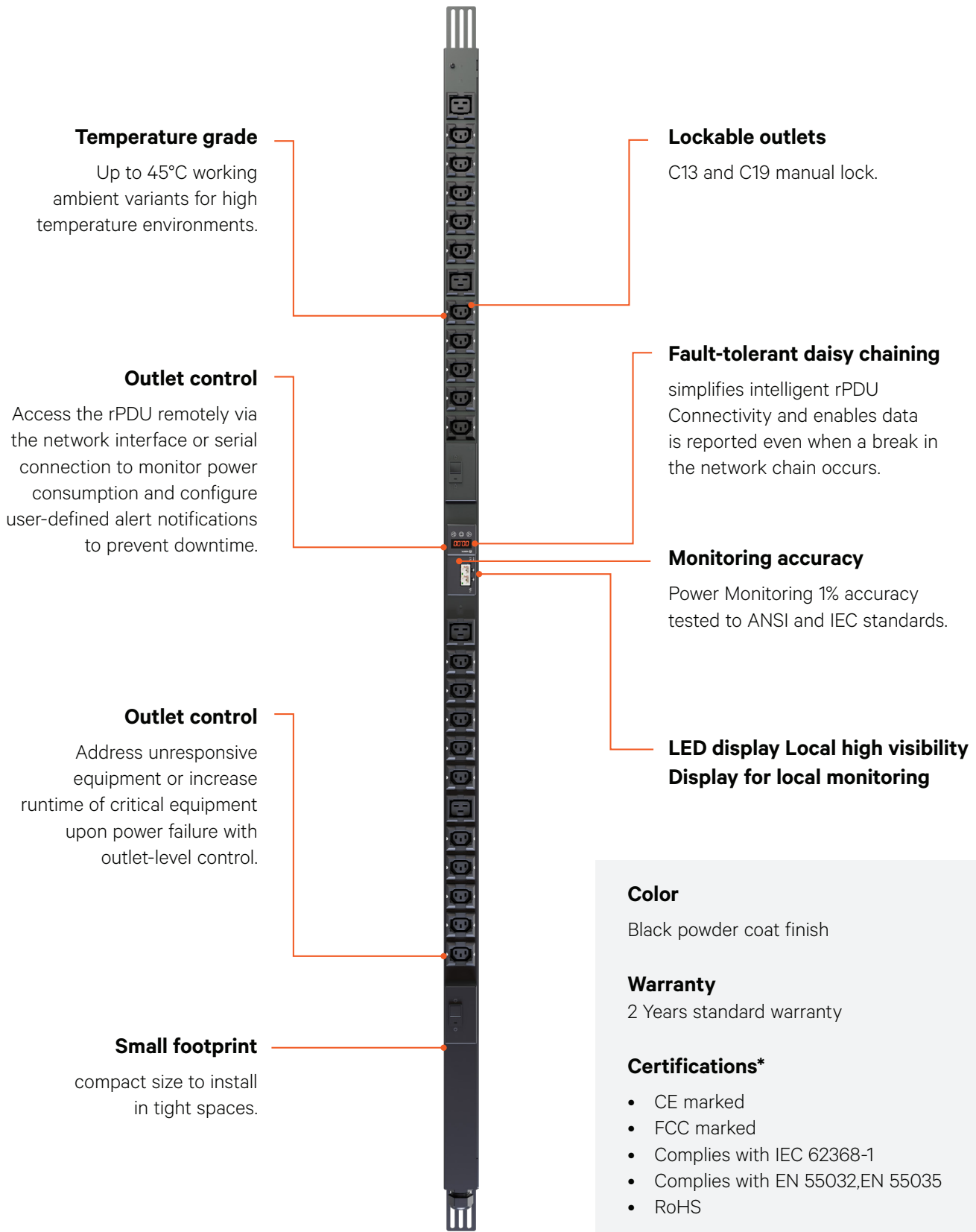
Vertiv PowerGo Monitored rack PDU are equipped with monitoring capabilities, allowing you to track power locally on LED display or remotely via remote network access.

Get a comprehensive view of input power usage and control individual outlet with Vertiv™ Switched PowerGo rack PDUs.

Vertiv™ PowerGo

	Basic EP0GXXXX	Monitored EP4GXXXX	Switched EP5GXXXX
Design feature			
Compact design	•	•	•
0U configuration	•	•	•
1U configuration	•	•	
Local high visibility LED display		•	•
Hard reboot button		•	•
Heavy steel - powder coat finish	Black	Black	Black
Product specification			
Local monitoring		•	•
Remotely monitoring		•	•
Input Power Monitoring accuracy (kWh, W, VA, PF, V, A)		±1%	±1%
Circuit breaker monitoring accuracy		±2%	±2%
Daisy chain Ethernet		•	•
Alarm configuration		•	•
Network connection		10/100 Mbps Ethernet	10/100 Mbps Ethernet
Individual outlet remote control			•
Group outlet remote control			•
Massive firmware update		•	•
Environmental			
Maximum operating temperature	45°	45°	45°
Warranty			
Standard warranty	2 years	2 years	2 years

Key features



Color

Black powder coat finish

Warranty

2 Years standard warranty

Certifications*

- CE marked
- FCC marked
- Complies with IEC 62368-1
- Complies with EN 55032, EN 55035
- RoHS



Benefits

Tested for functionality:

Every unit is 100% tested for reliability and functionality.

Intelligent rack PDU:

Advanced unit monitoring, remotely and locally with or without on/off outlet switching capabilities.

Easy installation and deployment

Simple installation and monitoring setup.

Compatible with racks

Available in vertical 0U and 1U rack mountable dimension Included bracket for vertical units.



All Monitored and Switched Vertiv™ PowerGo rPDU come with preintegrated IMD-3x rack PDU controller



Dual Ethernet ports:

The dual Ethernet ports allowing for multiple devices to be daisy- chained.

The dual Ethernet ports can be independently configured dual Ethernet network interfaces, allowing the rPDU to connect to two different networks.

Display:

Local high visibility LED display for input power monitoring. The local display shows the phase, line and circuit current values (in amperes).

Network connection:

Dual 10/100 Mbps Ethernet.

For increased flexibility Vertiv™ PowerGo Offers:

Receptacles:

- German Schuko
- IEC C13
- IEC C19

German Schuko outlet

1U Chassis dimensions
435mm x 44mm x 44.4mm

Type:

- Basic
- Monitored per unit level
- Switched and monitored per unit level

Configuration:

- Horizontal
- Vertical





Vertiv™ PowerGo

Model	rPDU Type	rPDU sub-type	Horizontal/ Vertical	Volts	Amps	Max kVA	Plug Type	Socket Qty/Type	Max operating temp°
EP0G01A0	Basic	Standard	Horizontal	230V	10A	2.3 kVA	C14 inlet	(8) Schuko	45° C
EP0G01A1	Basic	Standard	Horizontal	230V	10A	2.3 kVA	C14 inlet	(9) C13	45° C
EP0G81A0	Basic	Standard	Horizontal	230V	16A	3.6 kVA	Schuko	(9) C13	45° C
EP0G81A1	Basic	Standard	Horizontal	230V	16A	3.6 kVA	Schuko	(8) Schuko	45° C
EP0G90A0	Basic	Standard	Vertical	230V	32A	7.3 kVA	1P+N+E (IP44)	(20) C13 (4) C19	45° C
EP0G80A0	Basic	Standard	Vertical	230V	16A	3.6 kVA	1P+N+E (IP44)	(20) C13 (4) C19	45° C
EP0G80A2	Basic	Standard	Vertical	230/400V	16A	11 kVA	3P+N+E (IP44)	(30) C13 (6) C19	45° C
EP0G80A1	Basic	Standard	Vertical	230V	16A	3.6 kVA	Schuko	(14) Schuko	45° C
EP0G90A1	Basic	Standard	Vertical	230V	32A	7.3 kVA	1P+N+E (IP44)	(18) Schuko	45° C
EP0G90A2	Basic	Standard	Vertical	230/400V	32A	22 kVA	3P+N+E (IP44)	(30) C13 (12) C19	45° C
EP4G81A0	Monitored	Unit level	Horizontal	230V	16A	3.6 kVA	Schuko	(6) Schuko	45° C
EP4G80A0	Monitored	Unit level	Vertical	230V	16A	3.6 kVA	1P+N+E (IP44)	(18) C13 (3) C19	45° C
EP4G90A0	Monitored	Unit level	Vertical	230V	32A	7.3 kVA	1P+N+E (IP44)	(20) C13 (4) C19	45° C
EP4G90A1	Monitored	Unit level	Vertical	230/400V	32A	22 kVA	3P+N+E (IP44)	(30) C13 (6) C19	45° C
EP4G81A2	Monitored	Unit level	Horizontal	230V	16A	3.6 kVA	1P+N+E (IP44)	(8) C13	45° C
EP4G80A1	Monitored	Unit level	Vertical	230/400V	16A	11 kVA	3P+N+E (IP44)	(21) C13 (3) C19	45° C
EP4G80A2	Monitored	Unit level	Vertical	230/400V	16A	11 kVA	3P+N+E (IP44)	(30) C13 (6) C19	45° C
EP5G80A0	Switched	Unit level	Vertical	230V	16A	3.6 kVA	1P+N+E (IP44)	(20) C13 (4) C19	45° C
EP5G80A1	Switched	Unit level	Vertical	230/400V	16A	11 kVA	3P+N+E (IP44)	(20) C13 (6) C19	45° C
EP5G90A0	Switched	Unit level	Vertical	230V	32A	7.3 kVA	1P+N+E (IP44)	(20) C13 (4) C19	45° C
EP5G90A1	Switched	Unit level	Vertical	230/400V	32A	22 kVA	3P+N+E (IP44)	(18) C13 (6) C19	45° C
EP5G90A2	Switched	Unit level	Vertical	230/400V	32A	22 kVA	3P+N+E (IP44)	(30) C13 (6) C19	45° C

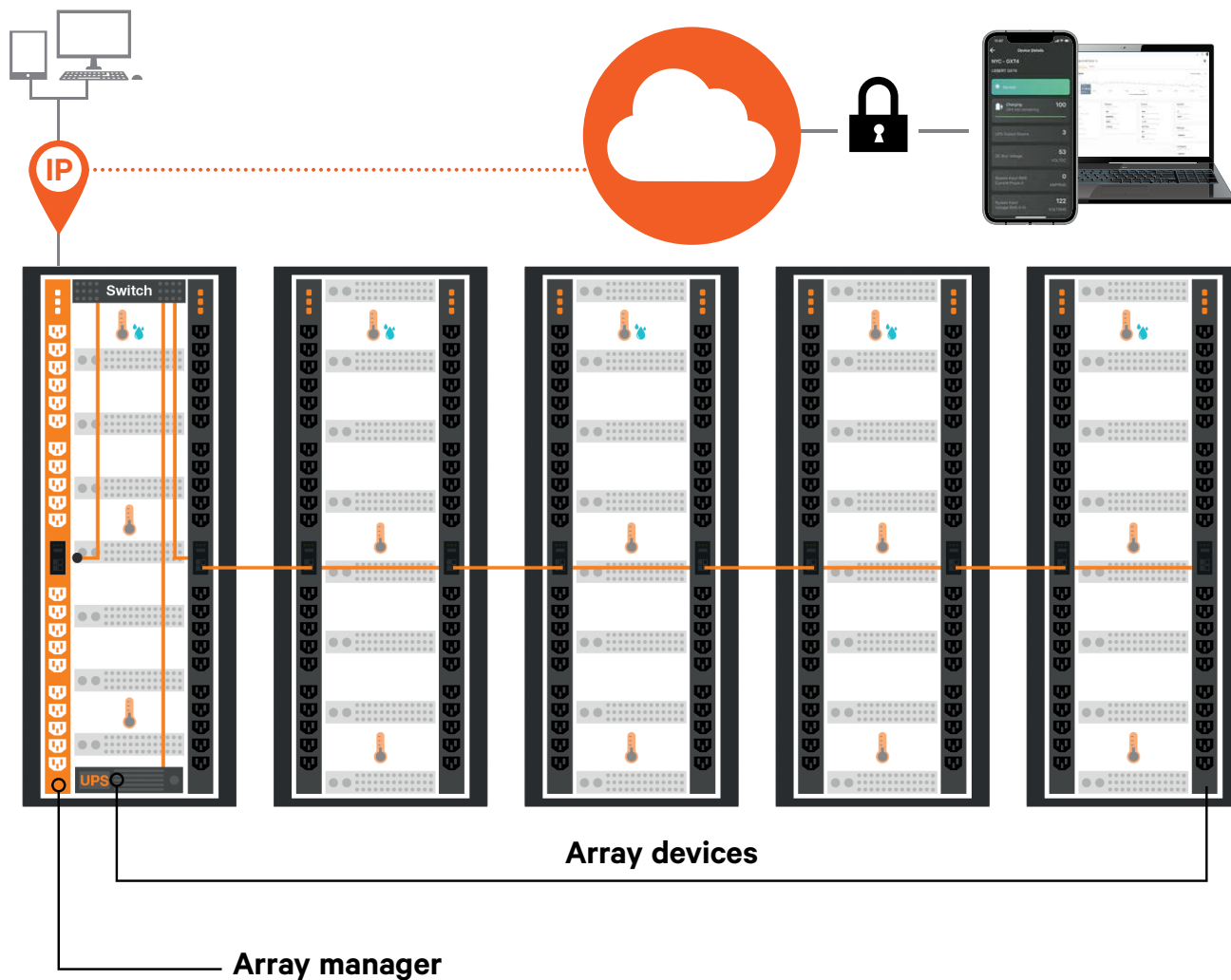
Vertiv™ PowerGo rPDUs offer enhanced monitoring and simplified networking with Vertiv™ Intelligence Director.

How it works

1. Designate a Switched or Monitored unit as the array manager.
2. Connect up to 50 array devices through a network switch or by daisy chaining the rPDUs to the array manager.
3. Securely access array device data via SNMP or the array manager user interface through a single IP address and bring the consolidated data in your private cloud.
4. Bring your infrastructure data together with the option to connect to the Vertiv™ Intelligence cloud platform.

Vertiv™ Intelligence Director

Plug-n-play data center infrastructure enabling lightning-fast AI and HPC deployments.





Racks and containment

In the modern data center landscape, standardization is becoming the norm. But not everywhere and not done randomly. The first place you'd want to start data center normalization is the racking systems and containment solutions.

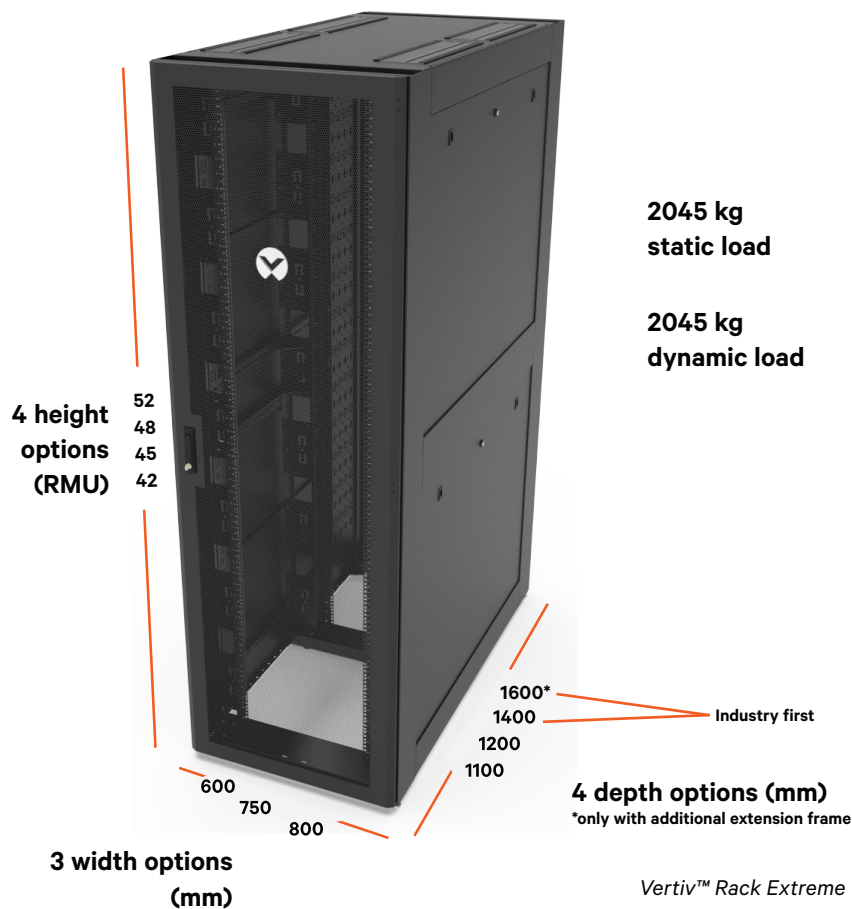
Starting with flexible, easily installed, adaptable and pre-configured customized server racks and network cabinets saves you costs, footprint and it increases the performance, efficiency, and reliability of your critical infrastructure.

Let's discover the data center custom containment solutions that will help you reach your objectives.

Vertiv™ Rack Extreme

Highlights

The Vertiv™ Rack Extreme offers industry-leading weight capacity to support taller and deeper rack mount equipment, along with the airflow, cable management, and power requirements of high-density environments.



Fast deployment

Choose from multiple standard sizes. Integrate with accessories. The cabinet ships complete.

Flexible configuration

Cabinets include features to manage power, cables, and airflow. Optional accessories available to meet high-density requirements.

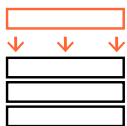
Easy installation and reconfiguration

Hundreds of mounting points throughout the cabinet support installation, repositioning, and accessory changes.*

Superior strength

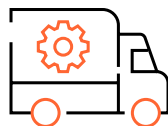
A fully-welded frame and 2,5 mm mounting rails support up to 2045 kg of static and dynamic weight capacity.

*The quantity of mounting points depends on cabinet size during configuration.



Enhanced structural capacity

Support both static and dynamic weight capacities to accommodate heavier, taller, and deeper rack-mount equipment.



Reliable transport and deployment

Innovative shipping solutions, including shock pallets and multi-use ramps, support safe global transport and on-site deployment of rack-and-stack cabinets.



Efficient airflow and cabling

Integrated features and optional accessories support airflow and organized cable management in high-density environments.



Specifications

Height (RMU)	Width (mm)	Depth (mm)	Color	Doors	Shipping	Example
GLxxUEX-	xx	xxx	x-	xx-	xx	Configured Vertiv™ Rack Extreme
52	60	110	B (Black)	MM (Mesh front/rear)	PL (Standard Pallet)	45UEX-80120B-MS-PL 45U x 800mmW x 1200mmD, black, mesh front and split mesh rear door, standard pallet
48	75	120	W (White)	MS (Mesh front/split mesh rear)	SP (Shock Pallet)	
45	80	140			SC (Shock Crate) ¹	
42		160*				

*only with additional extension frame

- Frame with levelers and casters installed
- 2 Corner PDU Bars
- 2 vertical cable organizers with PDU mounting space
- Hex mesh doors (as configured) with locking swing handle
- Four solid, half-height side panels with quarter-turn locks
- Brush grommet top panel
- 3/8" sq. (M6) mounting rails
- Hardware kit with 50 cage nuts and screws



Vertiv™ Open Rack for OCP

Redefining how AI workloads are powered, cooled, and scaled open, efficient, and ready for tomorrow.

Highlights

As an active member of the Open Compute Project (OCP), Vertiv collaborates with industry leaders to advance open standards and innovative designs that enhance the efficiency, scalability, and sustainability of modern data centers.

Benefits

- Vertiv™ Open Rack for OCP streamline designs by removing unnecessary components and standardizing parts like power shelves. This simplified, open-source approach improves CapEx and long-term operational costs (OpEx) associated with power consumption and maintenance.
- The wider design of Vertiv™ Open Rack for OCP allows for better airflow and more effective thermal management. Combined with innovative power distribution, this reduces the energy required for cooling, leading to a improved Power Usage Effectiveness (PUE) and significant energy savings.
- Vertiv™ Open Rack for OCP are engineered to meet the extreme power and cooling needs of modern high-density workloads. Their design readily accommodates liquid cooling manifolds and in-rack CDUs power infrastructure necessary to support high-density clusters of GPUs and other accelerators for demanding AI and HPC applications.
- The minimalist design uses less material and promotes greater serviceability with features like tool-less maintenance. The emphasis on energy efficiency reduces a data center's carbon footprint, while the simplified component access shortens maintenance times and improves operational uptime.



Vertiv™ Open Rack for OCP

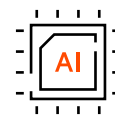


Built on open standards, Vertiv™ Open Rack for OCP eliminate vendor lock-in and provide a modular "plug-and-play" ecosystem. This allows data centers to rapidly scale their infrastructure and easily integrate best-of-breed compute, storage, and networking hardware from a wide range of suppliers.

Product description

Vertiv expertly enables the intense computational demands of artificial intelligence by engineering and delivering OCP-inspired rack that can be pre-integrated with resilient power distribution and advanced thermal management.

This enables that high-performance AI gear operates with optimal reliability and efficiency within a standardized, future-ready framework. Recognizing that AI and HPC applications require extreme power densities, Vertiv provides scalable and highly efficient power distribution systems that form the backbone of the rack environment. Advanced cooling technologies, from direct-to-chip liquid cooling to rear-door heat exchangers, can be easily integrated to dissipate the heat generated by GPUs and other accelerators. By delivering power and thermal systems within a single, pre-configured and validated OCP rack, Vertiv simplifies deployment, enhances performance, and enables the seamless scalability.



Optimized design:

Vertiv™ Open Rack for OCP are engineered to meet the extreme power and cooling needs of modern high-density workloads. Their design readily accommodates advanced cooling solutions like liquid cooling and provides the robust power infrastructure necessary to support clusters of GPUs and other accelerators for demanding AI and HPC applications.



Technical specifications

Model	Vertiv™ Open Rack for OCP ORV3-CV-101F	Vertiv™ Open Rack for OCP ORV3-CV-101W	Vertiv™ Open Rack for OCP ORV3-CV-401F	Vertiv™ Open Rack for OCP ORV3-CV-401W
General description				
OCP Specs	ORv3	ORv3	ORv3	ORv3
Compliance level	OCP Inspired	OCP Inspired	OCP Inspired	OCP Inspired
Description	44OU 1068D Black Flatpack	44OU 1068D Black Welded	44OU 1200D Black Flatpack	44OU 1200D Black Welded
Mechanical specifications				
Height (mm/inches)	2,286 mm (90")	2,286 mm (90")	2,286 mm (90")	2,286 mm (90")
Width (mm/inches)	600 mm (23.6")	600 mm (23.6")	600 mm (23.6")	600 mm (23.6")
Depth (mm/inches)	1068 mm (42")	1068 mm (42")	1068 mm (42")	1068 mm (42")
IT gear width	21" (533 mm)	21" (533 mm)	21" (533 mm)	21" (533 mm)
OCP Rack Units (OU)	44OU	44OU	44OU	44OU
Net weight (kg/lbs.)	150 kg (330 lbs.)	150 kg (330 lbs.)	180 kg (396 lbs.)	180 kg (396 lbs.)
Transport weight (kg/lbs.)	200 kg (440 lbs.)	200 kg (440 lbs.)	230 kg (507 lbs.)	230 kg (507 lbs.)
Static load rating (kg/lbs.)	1,600 kg (3,527 lbs.)	1,600 kg (3,527 lbs.)	1,600 kg (3,527 lbs.)	1,600 kg (3,527 lbs.)
Dynamic load rating (kg/lbs.)	1,400 kg (3,086 lbs.)	1,400 kg (3,086 lbs.)	1,400 kg (3,086 lbs.)	1,400 kg (3,086 lbs.)
Frame material	steel	steel	steel	steel
Finish	powder coat	powder coat	powder coat	powder coat
Color	black	black	black	black
Casters & levelling feet	Included	Included	Included	Included
Busbar options				
Current rating (A)	300	600	1400	1900
Power capacity (kW) at 50V DC	30	60	140	190
Max power capacity (kW)	30.6 kW	61.2 kW	142.8 kW	193.8 kW
Busbar material	copper	copper	copper	copper
Busbar plating	nickel plating	nickel plating	nickel plating	nickel plating
Liquid cooling options				
Model	RM124B	CDU100	CDU150	
Compliance level	OCP Inspired	OCP Inspired	OCP Inspired	
Number of quick connects	44			
Material	Stainless steel	Stainless steel	Stainless steel	
Nominal cooling capacity (kW)		100 kW	150 kW	
Height (U)		4 RU	4 OU	
Width (inches)		19"	21"	
PFN Connectors (inches)	1" or 1.5" Sanitary flanges	1" or 1.5" Sanitary flanges	1" or 1.5" Sanitary flanges	
SFN Connectors (inches)	1" or 1.5" Sanitary flanges	1" or 1.5" Sanitary flanges	1" or 1.5" Sanitary flanges	

Vertiv™ Open Rack for NVIDIA MGX

Powering AI: High Density IT Infrastructures

Highlights

Purposely built for NVIDIA GB200 and GB300 NVL72 SuperPods, Vertiv™ Open Rack for NVIDIA MGX accelerate the deployment of AI factories and high-performance computing (HPC) workloads.

Benefits

- NVIDIA-approved design: Enables compatibility, standardization, and future-ready integration with NVIDIA AI deployments.
- High-density power support: Can incorporate scalable and efficient 19" DC Power Shelves to reliably deliver power for GPU-intensive clusters.
- Mid-density power support: Can incorporate vertical or horizontal rPDUs to deliver power for storage or networking assets.
- Standards-aware engineering: Designed for standard rack unit (44.45 mm) unit height, to enable seamless integration within 19" native AI servers and network devices such as the NVIDIA Quantum InfiniBand.
- Advanced thermal management: Supports cutting-edge cooling methods including in-rack manifolds to efficiently manage GPU heat loads.
- Scalability and reliability: Provides a strong infrastructure foundation that enables enterprises to scale AI deployments with confidence.

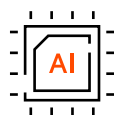


Vertiv™ Open Rack for NVIDIA MGX



Flexible configuration:

DC Power Shelves mounted to optimize space usage while maintaining balance and structural integrity.



AI-optimized design:

Purposely built to handle the extreme power density of modern AI and machine learning workloads.

Product description

Vertiv™ Open Rack for NVIDIA MGX is designed to meet the unprecedented demands of modern artificial intelligence by delivering a comprehensive solution purpose-built for high-performance GPU clusters and large-scale AI deployments.

Engineered to support the extreme power densities required by AI and machine learning platforms, Vertiv™ Open Rack for NVIDIA MGX can incorporate a 1400A DC power busbar, up to eight (4+4) scalable, highly efficient DC Power Shelves. Vertiv Open Rack for MGX is also available as prebuilt rack, suitable for different applications such as computing and supporting racks for NVIDIA SuperPods. This enables seamless integration while maintaining structural integrity and maximizing usable space.

As power density per rack rises, Vertiv Open Rack for NVIDIA MGX can also feature advanced thermal management technologies including direct-to-chip liquid cooling with Vertiv™ CoolChip Fluid Network manifolds with blind-mate quick disconnect, to dissipate the significant heat generated by GPUs.

Vertiv Open Rack for NVIDIA MGX is also available as Vertiv™ SmartIT Solutions, a configurable, high-capacity rack system developed to simplify integration for system builders and support a variety of server and equipment types, ready to be further integrated with IT components.



Specifications

Product description

OCP specs	MGX v1.1
Compliance level	OCP-Inspired
Description	Open Rack V3 NVIDIA Vertiv Open Rack MGX v1.1 for GB200 NVL72

Mechanical specifications

Height (mm), on castors	2286 mm
Height (mm), without castors	2236 mm
Width (mm)	600 mm
Depth (mm)	1068 mm
IT Gear Width	19" (482 mm)
OCP Rack Units (OU)	44OU / 48RU
Net weight (kg)	180 kg (397 lbs.)
Transport weight (kg)	200 kg (440 lbs.)
Static load rating (kg/lbs.)	1,600 kg (3,527 lbs.)
Dynamic load rating (kg/lbs.)	1,400 kg (3,086 lbs.)
Frame material	Steel
Finish	Powder Coat
Color	Black (RAL9005)
Castors & levelling feet	Included

Applications for Vertiv™ Open Rack for NVIDIA MGX

- AI Factories: modular setup for training LLMs and Generative AI at scale.
- HPC & research: running complex scientific simulations and data analytics.
- Digital twins: real-time industrial modeling using NVIDIA Omniverse.
- Edge & telco: deploying 5G/6G networks and AI inference in edge data centers.

Vertiv™ VR Rack



Rapid deployments everywhere you operate

Standardize your deployments around the world and bring them online faster with the Vertiv™ VR rack. The Vertiv VR supports a wide variety of equipment, including: servers, storage, switches, routers, PDUs, UPSs, console port servers and KVM switches.

Key benefits

- Available in 8 standard sizes
- Full depth adjustability of the 19" rails
- Frame design allow for more than 2.5" more usable depth than similar sized racks
- Doors that have 77% perforation and can be hinged on either side
- Tool-less removable top panel has four cable entry holes allowing for up to 2000 Cat6 cables, or 60A PDU plugs
- Two dual purpose full height depth adjustable PDU / cable management brackets mounted in the zero U space with tool-less button mounting of rack PDUs, accessory mounting holes for tool-less cable management accessories, and integrated cable tie off positions
- 42U frame height that allows for the rack to pass through standard doors on casters
- Simple external baying, allows for metric baying or on 24" centres
- Split side panels with single locking slam latch allows for easy single person removal / installation

Applications

- Data centers
- Server rooms
- Edge applications

Frame:	- Frame capable of supporting up to 3000 lbs (1360kg) Static, 2250 lbs (1022kg) Dynamic. - Simple external baying, allows for metric or on 24" centres and leveling feet incorporated into the frame for easy adjustment. - 42U frame height that will allow access through standard doors on four swivel casters.
Certifications:	EIA 310E - UL2416 - RoHS - REACH
Color:	Frame, doors, side panels, top panel, rails and PDU brackets are powder coated RAL 7021 (Black)
Warranty:	Warranty up to 5 Years – 36 month standard + 24 after product registration



Rapid deployments everywhere you operate

Standardize your deployments around the world and bring them online faster with the Vertiv™ VR rack. The Vertiv VR Rack supports a wide variety of equipment, including: servers, storage, switches, routers, PDUs, UPSs, console port servers and KVM switches.

The Vertiv VR Rack is delivered ready for high density environments to serve your mission critical needs — even as they evolve and change. This rack gives you the flexibility you need with easy installation.

The Vertiv™ VR Rack offers these advantages:

- Available in 10 standard sizes.
- Full depth adjustability of the 19" rails
- Frame design allow for more than 2.5" more usable depth than similar sized racks
- Doors that have 77% perforation and can be hinged on either side
- Tool-less removable top panel has four cable entry holes allowing for up to 2000 Cat6 cables, or 60A PDU plugs
- Two dual purpose full height depth adjustable PDU / cable management brackets mounted in the zero U space with tool-less button mounting of rack PDUs, accessory mounting holes for tool-less cable management accessories, and integrated cable tie off positions
- 42U frame height that allows for the rack to pass through standard doors on casters
- Simple external baying, allows for metric baying or on 24" centers
- Split side panels with single locking slam latch allows for easy single person removal / installation



High density cable entry top panel

Removable openings for cable entry — ready for front / rear cabling. Can accommodate over 2000 Cat 6 cables.

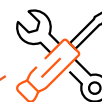


Doors

Single and split 77% perforated doors providing maximum airflow. Lift off hinges for easy removal, and field reversibility.

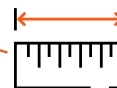
Frame

More usable depth compared to similar sized rack.



Tool-less cable management

Requires just inserting and twisting the tool-less accessories on 19" vertical mounting rail, or the PDU / cable management brackets.



Integrated 19" rail alignment

Ensures 19" rails are positioned correctly without measuring.



Split locking side panels

For quick and easy installation and maintenance. Locks provide security.



Leveling feet

Accessible from the top of the frame for easy adjustment.

3-year standard factory warranty

Extend your factory warranty coverage to a 5-Year warranty by registering your Vertiv VR Rack [here!](#)

Vertiv™ VR Rack model overview

Part Number	U	Height Mm (Inches)*	Width Mm (Inches)*	Depth Mm (Inches)*
VR3100	42	2000 (78.6")	600 (23.6")	1100 (43.3")
VR3100SP	42	2000 (78.6")	600 (23.6")	1100 (43.3")
VR3300	42	2000 (78.6")	600 (23.6")	1200 (47.8")
VR3300SP	42	2000 (78.6")	600 (23.6")	1200 (47.8")
VR3150	42	2000 (78.6")	800 (31.5")	1100 (43.3")
VR3150SP	42	2000 (78.6")	800 (31.5")	1100 (43.3")
VR3350	42	2000 (78.6")	800 (31.5")	1200 (47.8")
VR3350SP	42	2000 (78.6")	800 (31.5")	1200 (47.8")
VR3107	48	2265 (89.2")	600 (23.6")	1100 (43.3")
VR3107SP	48	2265 (89.2")	600 (23.6")	1100 (43.3")
VR3307	48	2265 (89.2")	600 (23.6")	1200 (47.8")
VR3307SP	48	2265 (89.2")	600 (23.6")	1200 (47.8")
VR3157	48	2265 (89.2")	800 (31.5")	1100 (43.3")
VR3157SP	48	2265 (89.2")	800 (31.5")	1100 (43.3")
VR3357	48	2265 (89.2")	800 (31.5")	1200 (47.8")
VR3357SP	48	2265 (89.2")	800 (31.5")	1200 (47.8")

**Nominal dimensions, reference submittal drawings for exact dimensions
VRXXXSP ship with 2000 lb. rated shock packaging*

Each Vertiv VR Rack includes:

- Single 77% perforated locking front door.
- Split 77% perforated locking rear doors.
- 2 pair split locking side panels.
- High density cable entry top cover (2000 Cat 6 cables).
- 2 sets of 19" EIA Rails.
- Full height rack PDU Mounting/ cable management brackets (one per side for 1100mm deep racks, two per side for 1200mm deep racks).
- Low profile casters and leveling feet.
- Baying brackets.
- Bolt down brackets.
- Hardware includes (50 each M6 cage nuts and screws), Cage nut installation tool, edge protection for top panel cable entry, T30 / Phillips L key, T30 extension driver.
- Keys.

Features

Frame

Frame capable of supporting up to 3000 lbs (1360kg) Static, 2250 lbs (1022kg) Dynamic, 2000 lbs (907kg) Transport (with Shock Package).

Simple external baying, allows for metric or on 24" centers and leveling feet incorporated into the frame for easy adjustment.

42U frame height that will allow access through standard doors on four swivel casters.

Door & side panels

Single perforated front door and split rear doors with tool-less lift off hinges.

Locking handles.

Field reversible doors.

77% perforation exceeds IT manufacturers specifications.

Split side panels with single locking slam latch.

Top panel

Tool-less removeable top panel.

Integrated hole pattern for easy installation of top panel accessories (cable management, modular busway support brackets, ladder / cable tray support brackets).

Four cable entry holes allowing for up to 2000 Cat6 cables, or 60A PDU plugs.

Top Panel load capacity of 150 lbs.

19" mounting rails

(2) Pair of full height 19" EIA mounting rails, accepts cage nuts, U markings on front and rear of each rail.

Depth markings included on frame for easy alignment.

Accessory mounting holes along rails allow for mounting of cable management fingers and tool-less accessories.

Rectangular cutouts for routing cables through 800mm (31.5") wide 19" EIA rails from front to rear or for airflow for side breathing equipment.

Full depth adjustability within the usable space.

PDU / cable management brackets

Two dual purpose full height depth adjustable PDU / Cable Management brackets mounted in the zero U space.

Button mount keyholes throughout to accommodate tool-less button mounting of rack PDUs of various heights.

Accessory mounting holes allow for mounting of tool-less cable management accessories.

Integrated cable tie off positions.

Depth adjustable.

Color

Frame, doors, side panels, top panel, rails and PDU brackets are powder coated RAL 7021 (Black).

Certifications

EIA 310E

UL2416

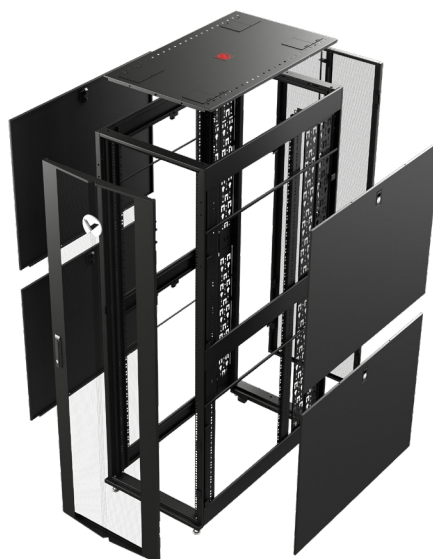
RoHS

REACH



The Vertiv™ VR Rack is prepared for high density environments to serve your mission critical needs — even as they evolve and change. The following common dash options give you increased flexibility and allow for customization of the rack to better equip your edge and enterprise locations.

Suffix	Description
-001	No front door, no rear door, no right side panels, no left side panels
-002	No front door, no rear door
-003	No front door
-004	No rear door
-005	No right side panels
-006	No left side panels
-007	No right side panels, no left side panels
-013	No front door, no rear doors, no roof, no side panels



Rack weight by base model and option (KG [LB])

Suffix	Standard	-001	-002	-003	-004	-005	-006	-007	-013
VR3100	126.7 [279.3]	78.2 [172.4]	105.8 [233.2]	116.3 [256.4]	116.2 [256.1]	112.9 [248.9]	112.9 [248.9]	99.1 [218.6]	72.5 [159.8]
VR3300	136.9 [301.8]	86.0 [189.5]	116.0 [255.6]	126.5 [278.9]	126.4 [278.6]	121.9 [268.7]	121.9 [268.7]	106.9 [235.7]	79.7 [175.6]
VR3150	161.8 [356.7]	110.8 [244.4]	138.4 [305.1]	150.8 [332.5]	149.4 [329.4]	148.0 [329.3]	148.0 [326.3]	134.2 [295.9]	103.8 [228.9]
VR3350	165.7 [365.3]	112.3 [247.6]	142.3 [313.7]	154.7 [341.1]	153.3 [388.0]	150.7 [332.2]	150.7 [332.2]	135.7 [299.2]	103.8 [228.8]
VR3107	162.3 [357.8]	104.2 [229.7]	137.0 [302.0]	149.3 [329.2]	150.0 [330.7]	145.9 [321.7]	145.9 [321.7]	129.5 [285.5]	98.5 [217.2]
VR3307	166.0 [366.0]	105.5 [232.6]	140.7 [310.2]	153.0 [337.3]	153.7 [338.9]	148.4 [327.2]	148.4 [327.2]	130.8 [288.4]	99.2 [218.7]
VR3157	175.7 [387.4]	114.3 [251.9]	147.1 [324.3]	160.7 [354.3]	162.1 [357.3]	159.3 [351.2]	159.3 [351.2]	142.9 [315.0]	107.3 [236.5]
VR3357	179.6 [396.0]	115.8 [255.3]	151.0 [332.9]	164.6 [362.9]	166.0 [365.9]	162.0 [357.1]	162.0 [357.1]	144.4 [318.3]	107.3 [236.5]

Cable management

Horizontal cable organizers with Metal D rings

19" Rack mounted cable routing panels with D rings provide the solution for loose cables in the front or rear of your rack. Panels available in 1U and 2U heights. Color: Black.

Part number	Description
VRA1000	1U horizontal cable organizer with Metal D Rings (Qty. 1)
VRA1001	2U horizontal cable organizer 2U with Metal D Rings (Qty. 1)



VRA1000



VRA1001

Horizontal cable managers with covers

19" Horizontal cable manager with cover. Mounts on the EIA rails to easily manage cables. Available with 4" deep or 6" deep finger sections. Color: Black.

Part number	Description
VRA1002	Horizontal cable manager, 1U x 4" deep, single-sided with cover (Qty. 1)
VRA1003	2U x 4" deep horizontal cable manager, single-sided with cover (Qty. 1)
VRA1022	2U x 6" deep horizontal cable manager, single-sided with cover (Qty. 1)
VRA1023	1U x 6" deep horizontal cable manager, single-sided with cover (Qty. 1)



VRA1002



VRA1022

Tool-less cable management: Lobster claw

1/4 Turn tool-less cable management Lobster Claw offers the ultimate in flexibility in cable management for moves, adds, and changes. Lobster claws install on 19" vertical mounting rails. Claw can also be installed on PDU/cable management rails. Color: black.

Part number	Description
VRA1004	Tool-less cable management -Lobster Claw (Qty. 10)
VRA1006	Tool-less cable management -Lobster Claw (Qty. 100)



VRA1004

Tool-less cable management: Velcro strap

1/4 Turn tool-less cable management Velcro Straps offers the ultimate in flexibility in cable management. These can be installed on the outside edge of the 19" rail or on the PDU/cable management rail. Color: Black.

Part number	Description
VRA1005	Tool-less cable management - Velcro Strap (Qty. 10)
VRA1007	Tool-less cable management - Velcro Strap (Qty. 100)



VRA1005

1/4 Turn tool-less cable management: D rings

1/4 Turn tool-less cable management D Rings offer the ultimate in flexibility in cable management. These can be installed on the 19" rail or on the PDU/ Cable Management rail. Color: Black.

Part number	Description
VRA1008	Tool-less D Rings small (Qty. 10)
VRA1009	Tool-less D Rings small (Qty. 100)
VRA1010	Tool-less D Rings large (Qty. 10)
VRA1011	Tool-less D Rings large (Qty. 100)



VRA1008 and VRA1009



VRA1010 and VRA1011



Horizontal cable manager side channel

The horizontal cable manager side channel manages cables from the front to rear of 800 wide racks. Depth adjustability allows for installation in racks with different rail spacing. Color: Black.

Part number	Description
VRA1013	Horizontal cable organizer side channel 20 to 33 inch adjustment (Qty. 1)
VRA1024	Horizontal cable organizer side channel 22 to 38 inch adjustment (Qty. 1)



VRA1013

Vertical cable management kit

Vertical cable finger sections can be installed on front or rear 19" rails; Fingers align with "U" marking to create clean cable pathways, providing a vertical row of cable management fingers. The 600 mm wide version has a single row of vertical fingers, the 800mm wide version as two rows. Color: Black.

Part number	Description
VRA1014	Vertical cable manager 600mm wide 42U (Qty. 2)
VRA1015	Vertical cable manager for 600mm wide 48U (Qty. 2)
VRA1016	Vertical cable manager for 800mm wide 42U (Qty. 2)
VRA1017	Vertical cable manager for 800mm wide 48U (Qty. 2)



VRA1014



VRA1016

Cable trough

Cable troughs are an additional assembly fixed on top of a Vertiv™ VR rack allowing the passage of a cable. It is applicable in micro and edge data centers. Color: Black.

Part number	Description
VRA8581	Cable trough, 300mm
VRA8561	Cable trough, 600mm
VRA8571	Cable trough, 800mm
VRA8567	Cable trough, end caps (Set of 2)
VRA8573	Cable trough cover, 300mm
VRA8574	Cable trough cover, 600mm
VRA8575	Cable trough cover, 800mm
VRA8501	Cable trough, cable alignment kit (set of 2)
VRA8502	Cable trough, connector kit (set of 2)
VRA8503	Cable trough, cable separation kit (set of 12)
VRA8504	Cable trough grounding wire, 750mm (set of 10)
VRA8505	Cable trough, 300mm height extension
VRA8506	Cable trough, 600mm height extension



VRA8561 Cable Trough 600mm

Hinged covers

Snap-on hinge covers for the vertical cable managers conceal cables for a clean, professional look and easy access.

Part number	Description
VRA1018	Hinged covers 800mm wide 42U vertical cable manager (Qty. 2)
VRA1020	Hinged covers 800mm wide 48U vertical cable manager (Qty. 2)



VRA1018

Vertical cable organizer

Vertical cable organizers provide easy cable management solutions for a single rack. Tool-lessly attaches to the PDU/Cable management brackets providing a vertical cable pathway. Color: Black.

Part number	Description
VRA1021	Vertical cable organizer, 8 cable rings, zero U (Qty. 2)

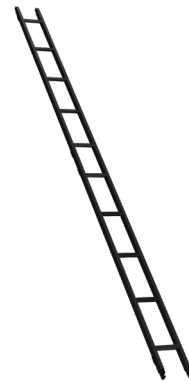


VRA1021

VR cable ladder kit

The VR cable ladder kits and accessories provide easy to install overhead cable management solutions. Adapter and Angle Kits provide the options to customize cable runs for multiple applications. Color: Black.

Part number	Description
VRA1025	Cable ladder rack kit 6" (152mm) w/ install kit
VRA1026	Cable ladder rack kit 12" (305mm) w/ install kit
VRA1027	Cable ladder rack/wall management kit
VRA1028	Cable ladder angle adapter kit
VRA1029	Cable ladder trough front adaptor kit
VRA1030	Cable ladder trough end adaptor kit
VRA1034	Cable ladder suspension kit
VRA1035	Cable ladder stacking kit



VRA1025

Air flow management

Blank panel 19" tool less blanking panel

A frequently overlooked component in air flow management, blanking panels allow you to close unused U space within the rack. Promoting proper airflow, and minimizing bypass air. Color: Black.

Part number	Description
VRA2000	1U 19" black plastic tool less airflow blanking panel (Qty. 10)
VRA2001	1U 19" black plastic tool less airflow blanking panel (Qty. 200)
VRA2002	19" sheet metal airflow blanking panel kit (1U, 2U, 4U, 8U) Black (Qty. 1 ea. size)
VRA2003	1U 19" sheet metal airflow blanking panel kit black (Qty. 2) black
VRA2013	2U blanking panel, qty 10
VRA2014	2U blanking panel, qty 200



VRA2002

Air recirculation prevention kit

Prevent air recirculation within the rack by filling the space between the 19" rails and side panels on 600 mm and 800 mm wide racks. Color: Black.

Part number	Description
VRA2004	Air recirculation prevention kit



VRA2004



19" rail brush strips

The 19" rail brush strips prevent air recirculation within the rack by sealing the cable pass through holes on 800 mm wide 19" rails. Color: black.

Part number	Description
VRA2005	19" rail brush strips, 800mm wide (Qty. 12)



VRA2005

Cable pass through brush kit for top panel

The cable pass through brush kit for top panels allow cabling to enter the rack while restricting by pass air. Color: black.

Part number	Description
VRA2006	Cable pass through brush kit for top panel (Qty. 8)



VRA2006

VR roof fan

The VR roof fan increases airflow from the bottom to the top of the rack. Needs to be paired with the networking roof panel.

Part number	Description
VRA2008	Top fan kit 208-230 VAC 50/60 Hz



VRA2007

Vertical exhaust duct

The Vertical exhaust duct provides any easy solution to return hot air back to a room cooling system. Needs to be paired with the Networking Roof Panel.

Part number	Description
VRA2009	Vertical exhaust duct short, 600W
VRA2010	Vertical exhaust duct tall, 600W
VRA2011	Vertical exhaust duct short, 800W
VRA2012	Vertical exhaust duct tall, 800W



VRA2009

Doors and security

Handle options

Interchange rack handles for various degrees of security.

Part number	Description
VRA6023	Combination lock handle (qty. 2)
VRA7001	Security handle combination (2)
VRA7002	Security handle fingerprint + RFID (1)
VRA7003	Security handle pin pad + RFID (1)



VRA6023



VRA7003

Single & split doors

Solid door options offer additional security for the Vertiv™ VR Racks.

Color: black.

Part number	Description
VRA6050	Full metal door 42u x 600
VRA6051	Full metal door 42u x 800
VRA6052	Full metal door 48u x 600
VRA6053	Full metal door 48u x 800
VRA6056	Split metal door 48u x 600
VRA6057	Split metal door 48u x 800
VRA6062	Split metal door 42u x 600
VRA6063	Split metal door 42u x 800



VRA6063

Colocation kit

Upgrade your existing Vertiv VR Rack to a dual tenant rack to maximize your data center floor space. Colocation kits include dual front and rear doors, secure cable management, and dividing panels. Color: black.

Part number	Description	Available U Space
VRA9040	Colocation rack accessory 42u x 600 x 1100	20U (Top) / 19U (Bottom)
VRA9041	Colocation rack accessory 42u x 600 x 1200	20U (Top) / 19U (Bottom)
VRA9042	Colocation rack accessory 48u x 600 x 1100	23U (Top) / 22U (Bottom)
VRA9043	Colocation rack accessory 48u x 600 x 1200	23U (Top) / 22U (Bottom)
VRA9044	Colocation rack accessory 42u x 800 x 1100	20U (Top) / 19U (Bottom)
VRA9045	Colocation rack accessory 42u x 800 x 1200	20U (Top) / 19U (Bottom)
VRA9046	Colocation rack accessory 48u x 800 x 1100	23U (Top) / 22U (Bottom)
VRA9047	Colocation rack accessory 48u x 800 x 1200	23U (Top) / 22U (Bottom)



VRA9046



Shelves and support brackets

19" depth adjustable fixed shelf 250lbs black

The 19" fixed tool-less shelf can be used for non 19" rack mount equipment or as additional support for 19" rack mount equipment. The shelves have an adjustable installation depth from 27.6"(700mm) to 33.6"(854mm)D. Color: black.

Part number	Description
VRA3000	1U depth adjustable fixed shelf 250lbs black (qty. 1)



VRA3000

2U 19" cantilever fixed shelf 50lbs black

Enables the mounting of a monitor or other equipment into the rack environment. Color: black.

Part number	Description
VRA3001	2U 19" cantilever fixed shelf 50lbs black (qty. 1)



VRA3001

1U depth adjustable sliding shelf 200lbs black

The 19" Telescopic Shelf utilizes high quality bearing slide rails to provide smooth and convenient action. Depth adjustability range from 21.7"(550mm) to 33.6"(854mm)D. Color: black.

Part number	Description
VRA3002	1U depth adjustable sliding shelf 100lbs black (qty. 1)
VRA3003	1U depth adjustable sliding shelf 200lbs black (qty. 1)



VRA3003

1U depth adjustable equipment support rails 100lbs

When additional support is needed for heavy loads, our support rails provide a suitable option. Depth Adjustable from 28.5"(724mm) to 31.6"(803mm), the rails mount into the 19" rail side flanges and can support loads up to 100lbs (45kg).

Part number	Description
VRA3004	1U depth adjustable equipment support rails 100lbs (qty. 2)



VRA3004

Bolt down brackets

Bolt down brackets are used to secure rack to data center floor when anti-tip is required. Brackets are included with shipment of rack. Additional brackets can be ordered. Color: black.

Part number	Description
VRA4001	VR anti tip stabilizer plate for 600mm/800mm wide cabinets (qty. 2)

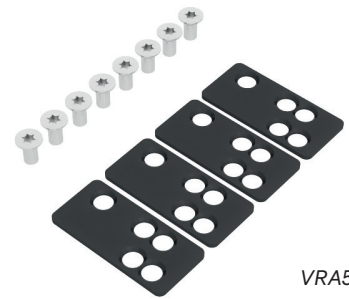


VRA4001

Baying and hardware

Baying hardware kits come standard with every Vertiv™ VR Rack. Additional kits may be purchased if the original brackets have been misplaced. When baying racks together on 24-in. centers, use a Baying Gasket Kit to seal the gap between the racks to maintain proper air circulation.

Part number	Description
VRA5002	Baying kit: baying hardware kit (1 kit)
VRA5003	Baying gasket kit for use when baying racks on 24" centers



VRA5002

Mounting hardware

One set included with each rack. Includes 50 each M6 cage nuts and plastic cup washers with matching screws. Includes one cage nut installation/removal tool. Additional packs of hardware can be ordered if needed.

Part number	Description
VRA5001	10-32 cage nuts (qty. 50)
VRA5000	Mounting hardware (qty. 50 M6 cage nuts, screws, washers)

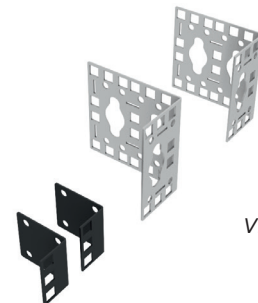


VRA5001

Zero U accessory mounting bracket (Qty. 2)

Installs in various locations within the rack, providing mounting options for rack PDUs and other small accessories.

Part number	Description
VRA5004	Zero U accessory mounting bracket (qty. 2)



VRA5004



Rack components

Pass through side panels

Pass through side panels can replace existing side panels and allow for cabling between rack while also keeping them thermally separated. Brush strips included. Color: black.

Part number	Description
VRA6054	Pass-through side panels 42u x 1100
VRA6055	Pass-through side panels 42u x 1200
VRA6031	Pass-through side panels 48u x 1100
VRA6032	Pass-through side panels 48u x 1200



VRA6031

Networking roof panels

The Networking roof panels can replace the existing roof and allows for edge-to-edge cable management. It includes brush strips and can also be paired with fan kit and exhaust duct for additional air flow management.

Part number	Description
VRA6033	Networking roof panel 600 x 1100
VRA6034	Networking roof panel 600 x 1200
VRA6035	Networking roof panel 800 x 1100
VRA6036	Networking roof panel 800 x 1200



VRA6033

Rack bottom panel

The rack bottom panel closes off the bottom of the rack and includes cable pass through openings with brushes.

Part number	Description
VRA6037	Rack bottom panel 600 x 1100
VRA6038	Rack bottom panel 600 x 1200
VRA6039	Rack bottom panel 800 x 1100
VRA6040	Rack bottom panel 800 x 1200



VRA6038

Rail conversion kit

The rail conversion kit complements 800mm wide racks and allows exchange out of 19" EIA rails to 21" EIA rails or 23" EIA rails on center.

Part number	Description
VRA6044	Rail conversion kit 42u , 21" eia mounting rails 800mm
VRA6048	Rail conversion kit 48u , 21" eia mounting rails 800mm
VRA6047	Rail conversion kit 42u , 23" eia mounting rails 800mm
VRA6049	Rail conversion kit 48u , 23" eia mounting rails 800mm



VRA6048

Copper bus bar kit

Common ground providing a central location for bonding equipment.

Part Number	Description
VRA6042	Copper BUS bar 42U
VRA6043	Copper BUS bar 48U



VRA6042

Depth extension

Add 200 mm of extended depth to your Vertiv™ VR rack. Depth extension includes door relocation kit and extra PDU mounting locations. Color: Black.

Part number	Description
VRA3005	Depth extension 42u x 600 x 200
VRA3006	Depth extension 42u x 800 x 200
VRA3007	Depth extension 48u x 600 x 200
VRA3008	Depth extension 48u x 800 x 200



VRA3005

Rack base

Increase the height of your rack by 100mm to provide additional cabling beneath the Vertiv VR Rack. Rack bases can be stacked for a total of 200mm of height and can support up to the full static load rating (1360kg/3000lb) of the standard Vertiv VR rack. Color: Black.

Part number	Description
VRA3009	VR 100x600x1100 rack base
VRA3010	VR 100x800x1100 rack base
VRA3011	VR 100x600x1200 rack base
VRA3012	VR 100x800x1200 rack base



VRA3010



Cable management accessories

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Horizontal cable management									
VRA1000	1U horizontal cable organizer with metal d rings (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1001	2U horizontal cable organizer 2u with metal d rings (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1002	Horizontal cable manager, 1u x 4" deep, single-sided with cover (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1003	2U x 4" deep horizontal cable manager, single-sided with cover (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1022	2U x 6" deep horizontal cable manager, single-sided with cover (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1023	1U x 6" deep horizontal cable manager, single-sided with cover (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1013	Horizontal cable organizer side channel 20 to 33 inch adjustment (qty. 1)			✓	✓			✓	✓
VRA1024	Horizontal cable organizer side channel 22 to 38 inch adjustment (qty. 1)			✓	✓			✓	✓
Tool-less cable management									
VRA1004	Tool-less cable management - lobster claw (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1006	Tool-less cable management - lobster claw (qty. 100)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1005	Tool-less cable management - velcro strap (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1007	Tool-less cable management - velcro strap (qty. 100)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1008	Tool-less D rings small (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1009	Tool-less D rings small (qty. 100)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1010	Tool-less D rings large (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA1011	Tool-less D rings large (qty. 100)	✓	✓	✓	✓	✓	✓	✓	✓
Vertical cable management									
VRA1014	Vertical cable manager 600mm wide 42u (qty. 2)	✓	✓						
VRA1015	Vertical cable manager for 600mm wide 48u (qty. 2)					✓	✓		
VRA1016	Vertical cable manager for 800mm wide 42u (qty. 2)			✓	✓				
VRA1017	Vertical cable manager for 800mm wide 48u (qty. 2)							✓	✓
VRA1018	Hinged covers 800mm wide 42U vertical cable manager (qty. 2)			✓	✓				
VRA1020	Hinged covers 800mm wide 48U vertical cable manager (qty. 2)							✓	✓
VRA1021	Vertical cable organizer, 8 cable rings, zero U (qty. 2)	✓	✓	✓	✓	✓	✓	✓	✓

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Cable trough									
VRA8581	VR cable trough, 300mm								
VRA8561	VR cable trough, 600mm	✓	✓			✓	✓		
VRA8571	VR cable trough, 800mm			✓	✓			✓	✓
VRA8567	VR cable trough, end caps (set of 2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA8573	VR cable trough cover, 300mm								
VRA8574	VR cable trough cover, 600mm	✓	✓			✓	✓		
VRA8575	VR cable trough cover, 800mm			✓	✓			✓	✓
VRA8501	VR cable trough, cable alignment kit (set of 2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA8502	VR cable trough, connector kit (set of 2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA8503	VR cable trough, cable separation kit (set of 12)	✓	✓	✓	✓	✓	✓	✓	✓
VRA8504	VR cable trough grounding wire, 750mm (set of 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA8505	VR cable trough, 300mm height extension								
VRA8506	VR cable trough, 600mm height extension	✓	✓			✓	✓		
Cable ladder kit									
VRA1025	Cable ladder rack kit 6" w/ install kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1026	Cable ladder rack kit 12" w/ install kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1027	Cable ladder rack/wall management kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1028	Cable ladder angle adapter kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1029	Cable ladder trough front adaptor kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1030	Cable ladder trough end adaptor kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1034	Cable ladder suspension kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA1035	Cable ladder stacking kit	✓	✓	✓	✓	✓	✓	✓	✓



Airflow management

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Blanking panels									
VRA2000	1U 19" black plastic tool less airflow blanking panel (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA2001	1U 19" black plastic tool less airflow blanking panel (qty. 200)	✓	✓	✓	✓	✓	✓	✓	✓
VRA2002	19" sheet metal airflow blanking panel kit (1u, 2u, 4u, 8u) black (qty. 1 Ea. Size)	✓	✓	✓	✓	✓	✓	✓	✓
VRA2003	1U 19" sheet metal airflow blanking panel kit black (qty. 2) black	✓	✓	✓	✓	✓	✓	✓	✓
VRA2013	2U 19" black plastic tool less airflow blanking panel (qty. 10)	✓	✓	✓	✓	✓	✓	✓	✓
VRA2014	2U 19" black plastic tool less airflow blanking panel (qty. 200)	✓	✓	✓	✓	✓	✓	✓	✓
Air recirculation prevention kit									
VRA2004	Air recirculation prevention kit	✓	✓	✓	✓	✓	✓	✓	✓
Brush strips									
VRA2005	19" rail brush strips, 800mm wide (qty. 12)			✓	✓			✓	✓
VRA2006	Cable pass through brush kit for top panel (qty. 8)	✓	✓	✓	✓	✓	✓	✓	✓
Roof fan kit									
VRA2008	Top fan kit 220-230 vac 50/60 hz	✓	✓	✓	✓	✓	✓	✓	✓
Vertical exhaust duct									
VRA2009	Vertical exhaust duct short, 600W	✓	✓			✓	✓		
VRA2010	Vertical exhaust duct tall, 600W	✓	✓			✓	✓		
VRA2011	Vertical exhaust duct short, 800W			✓	✓			✓	✓
VRA2012	Vertical exhaust duct tall, 800W			✓	✓			✓	✓

Shelves, mounting, and hardware

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Shelves and support brackets									
VRA3000	1U depth adjustable fixed shelf 250lbs black (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA3001	2U 19" cantilever fixed shelf 50lbs black (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA3002	1U depth adjustable sliding shelf 100lbs black (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA3003	1U depth adjustable sliding shelf 200lbs black (qty. 1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA3004	1U depth adjustable equipment support rails 100lbs (qty. 2)	✓	✓	✓	✓	✓	✓	✓	✓
Anchoring									
VRA4000	VR bolt down brackets	✓	✓	✓	✓	✓	✓	✓	✓
VRA4001	VR anti tip stabilizer plate for 600mm/800mm wide cabinets (qty. 2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA4002	VR seismic bolt down bracket	✓	✓	✓	✓	✓	✓	✓	✓
Baying and hardware									
VRA5002	VR baying kit	✓	✓	✓	✓	✓	✓	✓	✓
VRA5003	VR baying gasket kit for use when baying racks on 24" centers	✓	✓	✓	✓	✓	✓	✓	✓
VRA5001	10-32 cage nuts (qty. 50)	✓	✓	✓	✓	✓	✓	✓	✓
VRA5000	M6 cage nuts, screws (qty. 50)	✓	✓	✓	✓	✓	✓	✓	✓
VRA5004	Zero U accessory mounting bracket (qty. 2)	✓	✓	✓	✓	✓	✓	✓	✓

Doors and security handles

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Security handles									
VRA6022	VR door handle	✓	✓	✓	✓	✓	✓	✓	✓
VRA6023	Combination lock handle (qty.2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA7001	Security handles combination (2)	✓	✓	✓	✓	✓	✓	✓	✓
VRA7002	Security handle fingerprint + RFID (1)	✓	✓	✓	✓	✓	✓	✓	✓
VRA7003	Security handle pin pad + RFID (1)	✓	✓	✓	✓	✓	✓	✓	✓
Single perforated doors									
VRA6001	VR 42ux600 single perf door blk	✓	✓						
VRA6002	VR 42ux800 single perf door blk			✓	✓				
VRA6003	VR 48ux600 single perf door blk					✓	✓		
VRA6004	VR 48ux800 single perf door blk							✓	✓
Split perforated doors									
VRA6005	VR 42Ux600 split perf doors blk	✓	✓						
VRA6006	VR 42Ux800 split perf doors blk			✓	✓				
VRA6007	VR 48Ux600 split perf doors blk					✓	✓		
VRA6008	VR 48Ux800 split perf doors blk							✓	✓
Single solid door									
VRA6050	Full metal door 42U x 600	✓	✓						
VRA6051	Full metal door 42U x 800			✓	✓				
VRA6052	Full metal door 48U x 600					✓	✓		
VRA6053	Full metal door 48U x 800							✓	✓
Split solid doors									
VRA6056	Split metal door 48U x 600					✓	✓		
VRA6057	Split metal door 48U x 800							✓	✓
VRA6062	Split metal door 42U x 600	✓	✓						
VRA6063	Split metal door 42U x 800			✓	✓				
Colocation kit									
VRA9040	Colocation rack accessory 42U x 600 x 1100	✓							
VRA9041	Colocation rack accessory 42U x 600 x 1200		✓						
VRA9042	Colocation rack accessory 42U x 800 x 1100			✓					
VRA9043	Colocation rack accessory 42U x 800 x 1200				✓				
VRA9044	Colocation rack accessory 48U x 600 x 1100					✓			
VRA9045	Colocation rack accessory 48U x 600 x 1200						✓		
VRA9046	Colocation rack accessory 48U x 800 x 1100							✓	
VRA9047	Colocation rack accessory 48U x 800 x 1200								✓



Rack components

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Split side panels									
VRA6009	VR 42Ux1100 split side panels	✓		✓					
VRA6010	VR 42Ux1200 split side panels		✓		✓				
VRA6011	VR 48Ux1100 split side panels					✓		✓	
VRA6012	VR 48Ux1200 split side panels						✓		✓
Pass-through side panels									
VRA6054	Pass-through side panels 42U x 1100	✓		✓					
VRA6055	Pass-through side panels 42U x 1200		✓		✓				
VRA6031	Pass-through side panels 48U x 1100					✓		✓	
VRA6032	Pass-through side panels 48U x 1200						✓		✓
Server rails									
VRA6013	VR 42Ux600 19" rails	✓	✓						
VRA6014	VR 42Ux800 19" rails			✓	✓				
VRA6015	VR 48Ux600 19" rails					✓	✓		
VRA6016	VR 48Ux800 19" rails							✓	✓
Top panels									
VRA6017	VR 600x1100 top panel	✓				✓			
VRA6018	VR 800x1100 top panel			✓				✓	
VRA6019	VR 600x1200 top panel		✓				✓		
VRA6020	VR 800x1200 top panel				✓				✓
VRA6021	VR top panel grommets	✓	✓	✓	✓	✓	✓	✓	✓
Networking roof panel									
VRA6033	Networking roof panel 600 x 1100	✓				✓			
VRA6034	Networking roof panel 600 x 1200		✓				✓		
VRA6035	Networking roof panel 800 x 1100			✓				✓	
VRA6036	Networking roof panel 800 x 1200				✓				✓
Bottom panels									
VRA6037	Rack bottom panel 600 x 1100	✓				✓			
VRA6038	Rack bottom panel 600 x 1200		✓				✓		
VRA6039	Rack bottom panel 800 x 1100			✓				✓	
VRA6040	Rack bottom panel 800 x 1200				✓				✓

Rack components (cont'd)

SKU	Description	Vertiv™ VR Rack VR3100	Vertiv™ VR Rack VR3300	Vertiv™ VR Rack VR3150	Vertiv™ VR Rack VR3350	Vertiv™ VR Rack VR3107	Vertiv™ VR Rack VR3307	Vertiv™ VR Rack VR3157	Vertiv™ VR Rack VR3357
Depth extensions									
VRA3005	Depth extension 42U x 600 x 200	✓	✓						
VRA3006	Depth extension 42U x 800 x 200			✓	✓				
VRA3007	Depth extension 48U x 600 x 200					✓	✓		
VRA3008	Depth extension 48U x 800 x 200							✓	✓
Rack base									
VRA3009	VR 100x600x1100 rack base	✓				✓			
VRA3010	VR 100x800x1100 rack base			✓				✓	
VRA3011	VR 100x600x1200 rack base		✓				✓		
VRA3012	VR 100x800x1200 rack base				✓				✓
Rail conversion kits									
VRA6044	Rail conversion kit 42U , 21" EIA mounting rails 800mm			✓	✓				
VRA6048	Rail conversion kit 48U , 21" EIA mounting rails 800mm							✓	✓
VRA6047	Rail conversion kit 42U , 23" EIA mounting rails 800mm			✓	✓				
VRA6049	Rail conversion kit 48U , 23" EIA mounting rails 800mm							✓	✓
Casters									
VRA6024	VR caster kit	✓	✓	✓	✓	✓	✓	✓	✓
PDU/Cable management brackets									
VRA6025	VR 42U 4" PDU/Cable mgt brackets	✓	✓	✓	✓				
VRA6026	VR 48U 4" PDU/Cbl mgt bracket					✓	✓	✓	✓
Copper busbar									
VRA6042	Copper busbar 42U	✓	✓	✓	✓				
VRA6043	Copper busbar 48U					✓	✓	✓	✓



Vertiv™ Priority Program

With the new Vertiv Priority program, Vertiv helps customers through a speedy order & delivery service and makes sure that installation is quick and easy.

The program offers a selection of products with fast availability. This includes Knürr 19" rack systems as well as corresponding system and assembly accessories, socket strips, and PDUs. With our configuration matrix, you can even put together your own individual server or network rack from the Mirace™ 2 and DCM product lines, and order it as a priority product. Configure your own individual rack from more than 1,000 options.

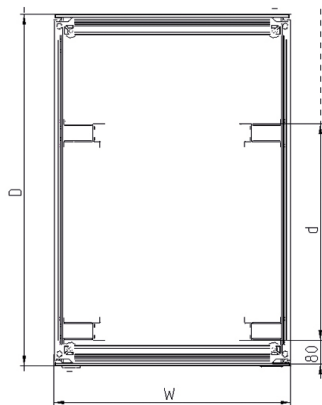
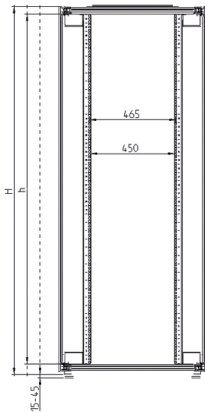
Knürr™ MIR2 – Server Cabinet features

With the new Priority program, Vertiv helps customers through a speedy order & delivery service and makes sure that installation is quick and easy.

The program offers a selection of products with fast availability. This includes Knürr™ 19" rack systems as well as corresponding system and assembly accessories, socket strips, and PDUs. With our configuration matrix, you can even put together your own individual server or network rack from the Vertiv™ Miracel™ 2 and Knürr DCM™ product lines, and order it as a priority product. Configure your own individual rack from more than 1,000 options.



Knürr Miracel™ 2 Server Rack



- With fixed 19" installation from front and rear for installations in accordance with IEC 297-3.
- Perforated single-leaf front and rear doors.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover rear completely removable, making cover assembly/disassembly possible after cabling.

- Galvanized sheet steel panels, powder-coated structure.
- Sheet steel doors, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.

Color

- x = .1 visible surfaces and cladding panels RAL 7035 light gray.
- x = .8 visible surfaces and cladding panels RAL 7021 black-gray.

Scope of delivery

- 1 x base frame.
- 4 x 19" sheet steel server extrusions incl. U marking.
- 2 x side panels with quick locks.
- 1 x cover with rear cable inlet (sliding panels in three parts, may also be opened complete).
- 1 x front door, single-leaf with handle and receptacle for locking cylinder.
- 1 x rear door, single-leaf with handle and receptacle for locking cylinder.
- 1 x grounding set, complete (VDE 0100).
- 4 x leveling feet.

Stowing space

- To front 80 mm.

Load-bearing capacity

- 8000 N static.

Protection class

- IP 20.

Tests

- Grounding in accordance with VDE 0100 T 540.
- Grounding in accordance with DIN EN 62368.
- IP test in accordance with EN 60529.

Material/surface

- Extruded aluminum profile base frame.
- Plain die-cast aluminum corner connectors.

How supplied

- Assembled.

Note

- For drawers, pull-out shelves and chassis rails please also order extrusion adapter 01.147.640.9.

W	H	D	U	h	d	kg	Order no.	UP
800	1969	1000	42	1873	740	107	01.157.011.x-026	1 unit 
800	2191	1000	47	2095	740	116	01.157.011.x-036	1 unit 
800	1969	1200	42	1873	740	111	01.157.011.x-028	1 unit 
800	2191	1200	47	2095	740	123	01.157.011.x-038	1 unit 



Vertiv™ Miracel™ 2 Server Rack:

General description

- With fixed 19" installation extrusions for installations in accordance with IEC 297-3.
- Suitable for 19" server, switches, hub, router, chassis runners, drawers, pull-out shelves, cable management, etc.
- Cable inlet via base or cover depending on product version.
- Cable inlet at cover, to rear; cover assembly or disassembly possible after cabling.
- Door opening angle 160° with internal hinge.
- Protection rating – IP 20. Tests
- Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with EN 60529. Material/Surface
- Extruded aluminum profile base frame
- Plain die-cast aluminum corner connectors
- Galvanized sheet steel panels, powder-coated structure.
- Load capacity 8000 N static.

Vertiv™ Miracel™ 2 server rack						Jumpering space/ Insertion depth	Color	
Part No.	Model	H	W	D	A = 80/740mm		1 = RAL 7035 8 = RAL 7021 X = no color	
NB8ECGASEFXXAX8	Knürr™ MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm	x		8	
NB8ECGASEFXXAX1	Knürr MIR2 42U W800mm D1000mm	2000mm	800mm	1000mm	x		1	
NB8GCGASEFXXAX8	Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm	x		8	
NB8GCGASEFXXAX1	Knürr MIR2 42U W800mm D1200mm	2000mm	800mm	1200mm	x		1	
ND8ECGASEFXXAX8	Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm	x		8	
ND8ECGASEFXXAX1	Knürr MIR2 47U W800mm D1000mm	2200mm	800mm	1000mm	x		1	
ND8GCGASEFXXAX8	Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm	x		8	
ND8GCGASEFXXAX1	Knürr MIR2 47U W800mm D1200mm	2200mm	800mm	1200mm	x		1	

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.
 - Rear doors, double-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" server extrusions with air partition and 1U covers, front
 - 19" server extrusions, rear.
 - Cover with side cable inlet.
 - Leveling feet

= assemble to order (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight	1 mm = 0.03937 inch
H = Height	d = Insertion depth	(1 U = 44.45 mm)		1 kg = 2.2046 pounds
D = Depth	L = Length	UP = Packaging unit		

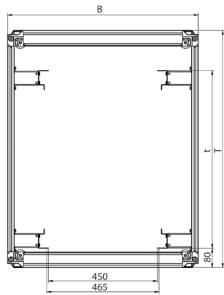
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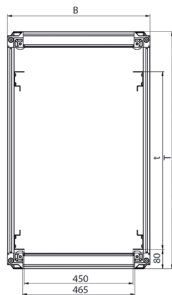
DCM20003
stationary



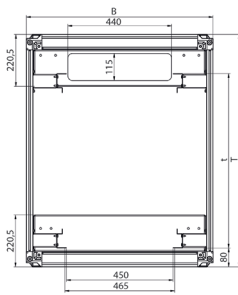
DCM20022
mobile



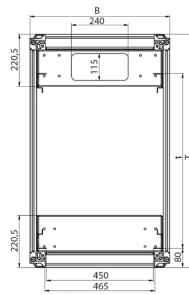
DCM20063
Cut width 800 mm, stationary



DCM20062
Cut width 600 mm, stationary



DCM20065
Cut width 800 mm, mobile



DCM20064
Cut width 600 mm, mobile

Knürr DCM™ Heavy Duty Cabinet 19" Server Cabinet

Width 600 and 800, stationary and mobile

- Perforated front door.
- Perforated door leaf to rear.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover rear completely removable, making making cover assembly/disassembly possible after cabling.
- In mobile version with heavyweight rollers with excellent ground clearance.
- Die-cast aluminum corner connectors, polished.
- Sheet steel doors, powder-coated structure.
- Galvanized sheet steel panels, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.

Color

- Visible panel surfaces.
- RAL 7021 black-gray.

Scope of delivery

- 1 base frame.
- 4 19" server extrusions, sheet steel incl. U marking.
- 2 side panels with quick looks.
- 1 cover with cable inlet (sliding panels in three parts, may also be opened complete).
- 1 front door, single leaf, perforated with handle and receptacle for locking cylinder.
- 1 rear door, double leaf, perforated, sheet steel, with handle and receptacle for locking cylinder.
- 4 leveling feet.
- 1 grounding set, complete (VDE 0100).
- Mobile version: also includes 2 roller mountings with heavyweight rollers with integrated cable inlets.

Stowing space

- To front 80 mm.

Load capacity

- 15,000 N static.
- 10,000 N mobile in RZ with load.

Protection class

- IP 20.

Tests

- Grounding in accordance with DIN EN 62368.
- Mobile version: Grounding in accordance with VDE 0100 T 540.
- IP test in accordance with DIN 40 050 / IEC 529.

Flow cross-section

- Perforation 83%.

Material / surface

- Extruded aluminum profile base frame, polished.

How supplied

- Assembled.

Note

- For assembling Knürr™ accessories, please also order fixing adapter for 19" server extrusion.

W	H	D	U	d	kg	Version	Part No.	PU
800	2000	1200	42	740	132	stationary, with side panels	DB8GCGSSCFBXXX8	1 pc
800	2200	1200	47	740	136	stationary, with side panels	DD8GCGSSCFBXXX8	1 pc
800	2000	1200	42	740	92	stationary, without side panels	DB8GCGSSCFXXX8	1 pc
800	2200	1200	47	740	94	stationary, without side panels	DD8GCGSSCFXXX8	1 pc
800	2200	1200	47	740	146	mobile, with side panels	DD8GCGSSCRBXXX8	1 pc
800	2200	1200	47	740	104	mobile, without side panels	DD8GCGSSCRXXX8	1 pc



Knürr DCM™ Server Rack

General description

- Extruded aluminum profile base frame, polished.
- Die-cast aluminum corner connectors, polished.
- Sheet steel doors, powder-coated structure.
- Galvanized sheet steel panels, powder-coated structure.
- 19" extrusions, 2.0 mm sheet steel, galvanized.
- Special 19" server extrusions to accommodate all standard 19" servers.
- Installations in accordance with IEC 297-3.
- Cable inlet via floor and via cover.
- Cable inlet at cover, rear completely removable, making cover assembly/disassembly possible after cabling.
- In mobile version with heavyweight rollers with excellent ground clearance.
- 4 leveling feet.
- 1 grounding set, complete (VDE 0100).
- Mobile version: also includes 2 roller mountings with heavyweight rollers with integrated cable inlets.
- Door perforation 83%
- Tests
- Grounding in accordance with DIN EN 62368.
- Mobile version: Grounding in accordance with VDE 0100 T540.
- IP test in accordance with DIN 40 050 / IEC 529.
- Protection rating IP 20.
- Load capacity:
 - 15,000 N, static; 10,000 N mobile in RZ with load.
 - How supplied
 - Assembled.
 - Color
 - Visible panel surfaces.
 - RAL 7021 black-gray.

Knürr DCM™ Server Rack

Part No.	Model	H	W	D	A =	Jumpering space/ Insertion depth	Color
						80/740mm	1 = RAL 7035 8 = RAL 7021 X = no color
DB8GCCASEFXXAX8	Knürr DCM™ 42U W800mm D1200mm	2000mm	800mm	1200mm	x		8
DB8GCCASEFXXAX1	Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x		1

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.
 - Rear doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" server extrusions with air partition and 1U covers, front
 - 19" server extrusions, rear.
 - Cover with side cable inlet.
 - Leveling feet

Knürr DCM™ Server Rack

Part No.	Model	H	W	D	A =	Jumpering space/ Insertion depth	Color
						80/740mm	1 = RAL 7035 8 = RAL 7021 X = no color
DB8GCGASEFXXAX8	Knürr DCM™ 42U W800mm D1200mm	2000mm	800mm	1200mm	x		8
DB8GCGASEFXXAX1	Knürr DCM 42U W800mm D1200mm	2000mm	800mm	1200mm	x		1
DD8GCGASEFXXAX1	Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm	x		1
DD8GCGASEFXXAX8	Knürr DCM 47U W800mm D1200mm	2200mm	800mm	1200mm	x		8

- Front doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.
 - Rear doors, single-leaf, perforated, sheet steel, with handle and provision for locking cylinder.

- 19" server extrusions with air partition and 1U covers, front
 - 19" server extrusions, rear.
 - Cover with side cable inlet.
 - Leveling feet

= assemble to order (shipped within 5 working days). Caution: In case of larger orders, delivery times may increase.

Dimensions in mm:

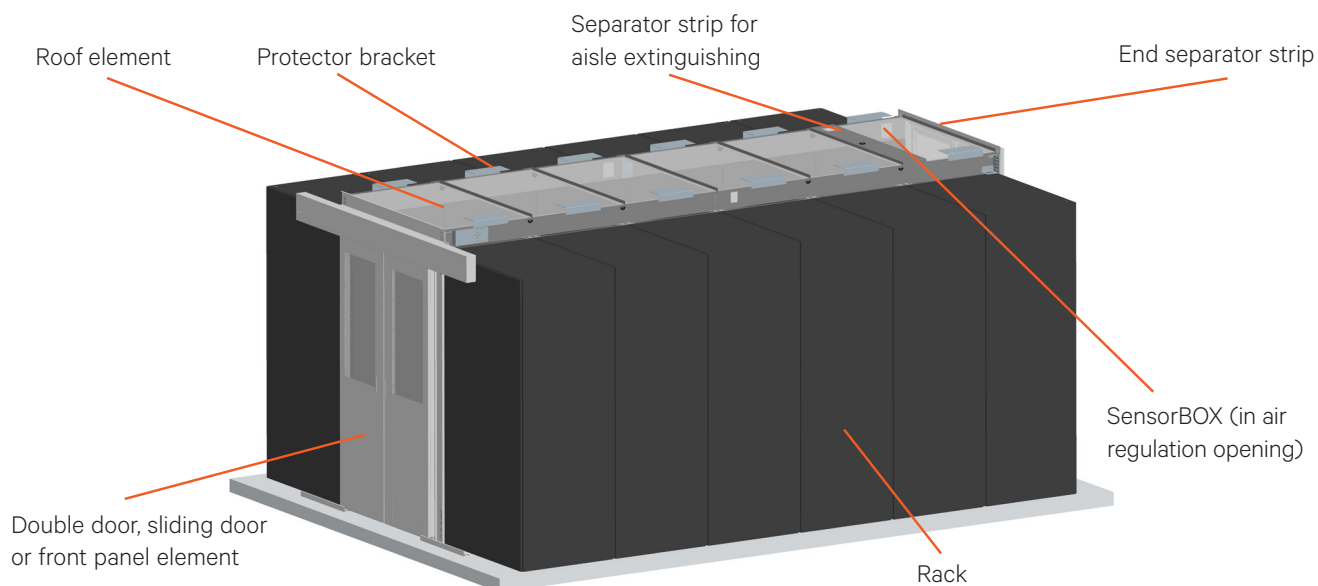
W = Width h = Installation height U = Standard rack unit kg = Weight
 H = Height d = Insertion depth (1 U = 44.45 mm)
 D = Depth L = Length UP = Packaging unit

Conversion:

1 mm = 0.03937 inch
 1 kg = 2.2046 pounds

Vertiv™ SmartAisle™ Containment Standard

Configuration assistance



Necessary items for the cold aisle	Example
Aisle width (standard dimensions 1,200, 1,500 and 1,800 mm +/- 50 mm)	Aisle width (AW) = 1,200 mm
Rack height (standard dimensions 2,000 and 2,200 mm)	Rack height (H) = 2,000 mm
Aisle length	Aisle length (L) = 4,800 mm
Rack type	Vertiv Knürr DCM® B800
Color (light gray RAL 7035 or dark gray RAL 7021)	Dark gray RAL 7021

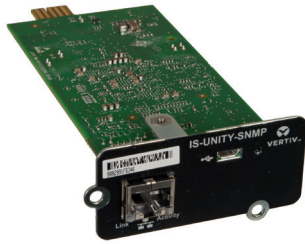
Options	Example	Article
Front door element (sliding door, double door, front panel)	Sliding door	1 piece
Front door closer (mechanical, electric)	Front door closer (mechanical, electric)	1 piece
Rear door element (sliding door, double door, front panel)	Rear door element (sliding door, double door, front panel)	1 piece
Rear door closer (mechanical, electric)	Rear door closer (mechanical, electric)	<i>(integrated in double door)</i>
Roof element	Roof element L2400	2 set
End separator strip	End separator strip AW 1200	1 pair
SensorBOX	Yes	2 pcs
Protector bracket	Yes	6 sets
Knürr DCM™ balancing sheet metal	Yes	3 sets
Filler panel	No	
Height panel	No	
Sealing set	Yes (per rack)	2 sets
Raised floor air barrier for cable entry	Yes	22 pcs
Grate	Yes	28 pcs



Monitoring

Whether we're talking about battery monitoring, leak detection systems, temperature monitoring, sensor-level monitoring for harsh industrial environments, or complex data center monitoring systems, we can all agree that this is an essential part of strengthening the long-term resilience and safe-guarding a critical facility from threats that range from faulty equipment and environmental conditions to cyber intrusions have peace of mind in Critical Infrastructure Management.

Effortlessly oversee all your data center infrastructure and IT assets in real-time. manage remotely, control power, and enhance security. Boost efficiency and cut costs with centralized management.



Monitoring

Facilities and monitoring solutions SNMP and web monitoring

The Vertiv™ Liebert® Intellislot™ Cards provide SNMP and web-based management to your UPS. The cards give you the power to monitor and control your Vertiv™ Liebert® UPS from a Network Management System, with Vertiv™ Power Assist or any other Vertiv™ monitoring software, or from any PC running Microsoft Internet Explorer. Connecting to your UPS is as simple as launching a web browser.



Vertiv™ shutdown software

Vertiv™ Power Assist

Vertiv™ Power Assist is a free software used to gracefully shutdown an IT device when the UPS battery backup experiences a threatening condition. The software notifies users of an event, displays key metrics and logs historical data. It is easy to install and protects computers from damage and data loss during a power event.



Vertiv™ environmental monitoring & leak detection sensors

Vertiv environmental monitoring sensors provide reliable monitoring and protection for critical IT infrastructure in data centers, server rooms, and network environments. The portfolio includes sensors for temperature, humidity, airflow, dew point, leak detection, smoke detection, door monitoring, dry contacts, and power failure monitoring.



Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card

Overview

The Vertiv™ Liebert® IntelliSlot™ RDU120 card enables communication between Vertiv™ products such as Vertiv™ Environet™ Alert and Vertiv™ Life™ Services. It provides web access, data via SNMP, Modbus, and BACnet for Vertiv equipment. Provides environmental sensor data access via web and SNMP.

Benefits

- Peace of mind knowing data is transmitted securely.
- Secure Boot with a hardware trust anchor.
- Quick, real-time view of parametric data and system status.
- Gain insight into environmental conditions for efficient decision-making.
- Flexible communication regardless of device protocol.
- Save time configuring and updating firmware on managed devices.



Vertiv™ Liebert® IntelliSlot™ RDU120



How it works

The Vertiv™ Liebert® IntelliSlot™ RDU120 employs Ethernet networks to monitor and manage a wide range of operating parameters, alarms and notifications.



Solving monitoring challenges

Managing disparate data center systems can be challenging. With responsibilities for monitoring facility conditions at all times, keeping track of all that data may require accessing multiple systems or even performing manual, time-consuming data tracking. Being able to collect data from your systems is key to effectively managing the data center. The Vertiv Liebert IntelliSlot RDU120 provides centralized remote monitoring connectivity to building management systems (BMS) that use SNMP and notifications.



Simplifying device setup and update

Not only does the Vertiv Liebert IntelliSlot RDU120 improve efficiency by providing a one-to-one view of the connected system, but it also provides a convenient way to configure and update devices via HTTP APIs. Save time on initial deployments and improve ongoing maintenance through the mass configuration capabilities of the Vertiv Liebert IntelliSlot RDU120.



Keeping data secure

The Vertiv Liebert IntelliSlot RDU120 is UL2900-1 and IEC 62443-4-2 cybersecurity certified. Secure SNMP is supported via SNMP v3. The secure boot implementation prevents unauthorized tampering of the installed software. Centralized access and authorization management provides an additional layer of security via remote authentication protocols – RADIUS, TACACS+ and LDAP/AD. Port-based network access control (PNAC) (802.1X) is supported.

Features

- Provides web access to the installed devices via popular web browsers- Microsoft Edge, Mozilla Firefox, Google Chrome and Safari.
- Provides alarm notifications via email and text messaging.
- Supports environmental monitoring via Vertiv™ Geist™ Sensors for temperature, humidity, leak detection, door closures and contact closures.
- 1 Gb/s Ethernet supports modern network environments.
- Standard RESTful API supporting customer-based tools.



Vertiv™ Liebert® IntelliSlot™ RDU120

Technical specifications

Physical characteristics

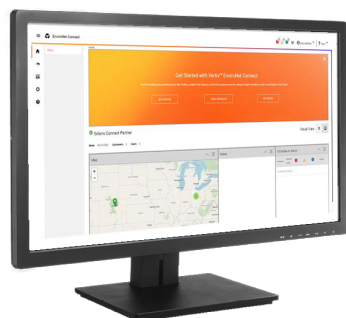
Power requirements	DC input: 7 to 12 VDC	Power consumption: 3.6 W maximum
Dimensions, W x D x H	2.97 × 5.2 × 1.45 in. (75.5 × 132 × 37 mm)	
Weight (assembled)	Net: 7 oz (0.2 kg)	Shipping: 1.3 lb (0.6 kg)
Ambient operating environment	32 to 104°F (0 to 40°C), 10% to 90% RH (non-condensing)	
Ambient storage temperature	-4 to 140°F (-20 to 60°C)	
Communication ports	Ethernet communication RJ-45	

Wiring

10/100/1000 Mb/s ethernet connector	Standard category 5e cable	328 ft. (100 m)
RJ-12 - One-wire connector	Geist one-wire sensor cable	65.6 ft. (20 m)



Vertiv™ Environet™ Connect



Vertiv™ Environet™ Connect is a cloud-based platform that allows you to manage and monitor your physical infrastructure anytime and anywhere. This solution provides centralized SNMP device management that is vendor-neutral. With Vertiv Environet Connect, you can monitor, trend, and alarm your data effectively and organize it in a centralized location. You can customize your dashboards and reports to gain visibility into the exact data you need. Vertiv Environet Connect enables greater efficiency, reduces risk, and provides peace of mind. Vertiv also provides expert services to assist with startup, ongoing software version upgrades, and more.

Benefits

- **Enhance operational awareness:** Make informed decisions and respond swiftly with deeper insights into critical assets.
- **Seamless device management:** Users can effortlessly manage their devices' lifecycles through a unified cloud portal, making keeping the firmware and device settings current easy.
- **Proactive threat resolution:** Boost server uptime by identifying and addressing potential threats before they impact your systems.
- **Efficiency and time savings:** Simplify setup, management, and monitoring, saving valuable time for your team.
- **Strategic planning:** Analyze trends across various locations to optimize operations and plan effectively.
- **Standardized processes:** Maintain consistency by implementing uniform processes and systems across data centers and server rooms.
- **Cloud-based services:** Installation & startup support, firmware upgrade services and vertiv connected device technical support for a seamless user experience from day one.

Technical specifications

Requirement	Minimum	Recommended
Operating system	Windows Server 2019	Windows Server 2022
CPU (Intel or AMD)	5 CPU 2.0 GHz or higher	Intel or AMD ≥ 6 CPU ≥ 2.2 GHz or Higher
RAM	8 GB	≥ 16 GB
Disk space	100 GB	≥ 300 GB
Disk I/O	15 MBps read/write speed	≥ 200 MBs read/write speed
Network	10/100 MBps	≥ 1 GBps

Hypervisors

OS	Hyper-V	VMware ESXi	Hardware Install "Bare Metal"
Windows		Windows Server 2019	
Linux		Windows Server 2022	
Not server versions		Ubuntu 22.04 Desktop LTS	

Supported family of devices

Vertiv™ Liebert® GXT4
Vertiv™ Liebert® GXT5
Vertiv™ Liebert® ITA2
Vertiv™ Liebert® CRV
Vertiv™ Geist™ Rack PDU GU1/2

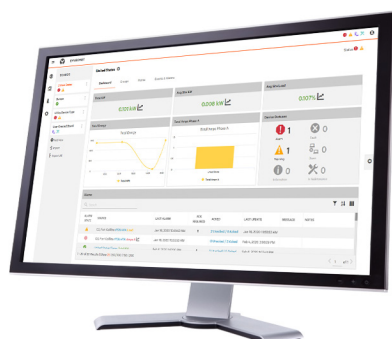
Vertiv™ Environet Connect Services: Vertiv Environet Connect Services and Vertiv Environet Connect Services Plus

Service provided	Vertiv™ Environet™ Connect Services	Vertiv™ Environet™ Connect Services Plus
Enable software in cloud	•	•
Remote help desk	•	•
Dashboards for KPI visualization	•	•
Software video training content	•	•
Minor system and config. Updates	•	•
Product technical support		•
Product provisioning		•
Firmware upgrades		•
Training		•

SKU	Description
ENV-CXN1YR-5DK	1-year subscription for 5 devices, including remote start-up and maintenance service
ENV-CXN1YR-10DK	1-year subscription for 10 devices, including remote start-up and maintenance service
ENV-CXN1YR-25DK	1-year subscription for 25 devices, including remote start-up and maintenance service
ENV-CXN1YR-50DK	1-year subscription for 50 devices, including remote start-up and maintenance service
ENV-CXN1YR-100DK	1-year subscription for 100 devices, including remote start-up and maintenance service
ENV-CXN1YR-200DK	1-year subscription for 200 devices, including remote start-up and maintenance service
ENV-CXN1YR-500DK	1-year subscription for 500 devices, including remote start-up and maintenance service
ENV-CXN1YR-1000DK	1-year subscription for 1000 devices, including remote start-up and maintenance service



Vertiv™ Environet™ Alert



Vertiv™ Environet™ Alert provides an easy-to-use monitoring software solution that helps ensure the continuous power and cooling of your critical infrastructure. Get monitoring, alerting and trending at a price that's right for your business.

Benefits

- Increase your operational awareness and visibility into key assets
- Monitor your devices via streamlined integration with other business systems
- Improve the uptime of servers with proactive threat resolution
- Save time with easier setup, management and monitoring
- Identify trends to plan and optimize operations across all locations
- Maintain consistent processes and systems across data centers and server rooms
- Communicate with critical equipment via SNMP, Modbus TCI/IP and BACnet IP directly to Vertiv Environet Alert
- Global language support increases the ability to utilize software across regions
- With floorplan navigation, each user can navigate to what is most important to them in each facility
- The Basic IT asset management provides visualization into space capacity at the rack level, along with a library containing IT asset details
- AD/LDAP support for simple user authentication
- Enhanced management features to show power data for multiple tenants

Use Vertiv Environet Alert to monitor your critical infrastructure. Start today.

Technical specifications

Requirement	Minimum	Recommended
Operating system	Windows 10 (64-bit) Windows Server 2016 Windows Server 2019	Windows Server 2019
CPU (Intel or AMD)	4 CPU 2.0 GHz or Higher	(Intel or AMD) ≥6 CPU ≥2.2 GHz or Higher
RAM	8 GB	≥16GB
Disk space	100 GB	≥300 GB
Disk I/O	15 MBps read/write speed	≥200 MBps read/write speed
Network	10/100 MBps	≥1GBps

Vertiv™ Geist™ Environmental Sensors



Vertiv™ Geist™ Environmental Sensor GTHD

GTHD

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Temperature, humidity, and dew point sensor. Includes a supplementary input for daisy-chaining additional sensors. Includes 10ft / 3m cable.

Part number: GTHD

Category: Accessories

Sub-Category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Remote sensor type	Temperature, humidity & dew point
Connection interface	RJ12 In, RJ12 Out
Temperature measurement range	-4°F to 176°F / -20°C to 80°C
Temperature measurement accuracy	+/-0.5°C
Humidity measurement range	5% to 95%
Humidity measurement accuracy	+/-3%
Dew point measurement range	-58°F to 185°F / -50°C to 85°C
Cable length	10ft / 3m
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental Sensor GT3HD

GT3HD

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Temperature, humidity, and dew point sensor with dual inputs for included 3ft / .9m and 6ft / 1.8m temperature sensors for monitoring top, middle, and bottom of a rack or cabinet. Includes 10ft / 3m cable.

Part number: GT3HD

Category: Accessories

Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Remote sensor type	Temperature (3), humidity & dew point
Supplementary sensors	(1) 3ft / .9m Temperature sensor; (1) 6ft / 1.8m Temperature sensor
Connection interface	RJ12 In, RJ12 Out
Temperature sensor port	(2) RJ12
Temperature measurement range	-4°F to 176°F / -20°C to 80°C
Temperature measurement accuracy	+/-0.5°C
Humidity measurement range	5% to 95%
Humidity measurement accuracy	+/-3%
Dew point measurement range	-58°F to 185°F / -50°C to 85°C
Cable length	10ft / 3m
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental Sensor SRT-50

RTAFHD3-12

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Temperature, airflow, humidity, and dew point sensor.
Includes 12ft / 3.6m cable.

Part number: RTAFHD3-12

Category: Accessories

Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and Vertiv™ rPDUs.

Specifications and operations:

Remote sensor type	Temperature, airflow, humidity & dew point
Connection interface	RJ12
Temperature measurement range	-4°F to 176°F / -20°C to 80°C
Temperature measurement accuracy	+/-0.5°C
Airflow measurement range	0 to 100 (relative value)
Humidity measurement range	5% to 95%
Humidity measurement accuracy	+/-3%
Dew point measurement range	-58°F to 185°F / -50°C to 85°C
Cable length	12ft / 3.6m
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification	RoHS compliant



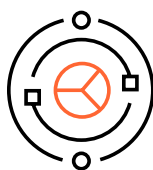
Vertiv™ Liebert® SN-L Leak Sensors

The Vertiv™ Liebert® SN-L Sensor offers the ability to monitor leaks and is compatible with several Vertiv™ products. The Vertiv Liebert SN-L can support a variety of standard leak detection cable lengths from 1 foot to 20 feet. This makes it useful when paired within a High Density Liquid Cooled environment allowing for quick detection of leaks. They can also be daisy chained with select Vertiv™ sensors for additional monitoring options.

Leak detection sensors are considered critical to monitoring with High Density Liquid Cooling racks. Leaks pose a mission-critical risk that need notification as quickly as they happen. Adding in Vertiv Liebert SN-L Leak Sensors helps alert users of potential issues as they happen when integrated with multiple Vertiv products.

Benefits

- Self powered from host device, no separate power supply required.
- Tested against 10% to 55% Propolyn Glycol mixtures to provide detection capabilities.
- Comes with leader cable, sensor mounting bracket and standard hold down clips.
- Receive alerts when a leak is detected.
- Strategically monitor data center racks, server rooms or network closets to protect against leaks in any location.
- Simple plug and play installation with Vertiv™ devices.
- Vertiv™ Communications Cards or Devices allow for BMS integration via a variety of communication protocols.



Compatible Vertiv™ Products

Vertiv Liebert SN-L leak sensors are compatible with the following products:

- 1x Vertiv™ Liebert® IS-UNITY-DP communications card
- 1x Vertiv™ Liebert® IntelliSlot™ RDU-120 communications Card (with adapter)
- Up to 4x Vertiv™ PowerIT IMD-5M communications card (rPDU, with adapter)
- Up to 4x Vertiv™ Avocent® ACS 800 and Vertiv™ Avocent® ACS8000 series



Vertiv™ Liebert® SN-L sensor.



Leak detection rope.

Product specifications

Vertiv™ Liebert® SN-L specifications

Item	Specification
Dimensions	2 x 3/4 x 1-5/8 inch (51 x 19 x 41 mm)
Net weight	.25lb / .11kg
Ambient operating temperature	41F to 131F (5C to 55C)
Ambient operating humidity	5-95% RH (non-condensing)
Altitude	Up to 6,500ft (2000m)
SN-L Kit includes	6.6ft RJ45 uplink Cable
	SN Sensor Mounting Bracket
	2x Hold Down Clips
	Sensor to Leak Rope wiring harness

Leak cable specifications (see Liqui-tect Cables and Accessories)

Dimensions	Variable
Net weight	.25lb to 2lbs (.11kg-.9kg)
Ambient operating temperature	32F to 167F (0C to 75C)
Ambient operating humidity	5-95% RH (non-condensing)
Altitude	up to 15,000ft (4,572m)

Leak cable part numbers Length

176125P6	1 ft / .3m
176125P11	3 ft / .91m
176125P10	6 ft / 1.83m
176125P7	10 ft / 3.05m
176125P1	20 ft / 6.09m

If Integrating with RDU120 or IMD-5M/Rack PDU use/add:

18381	SN to Geist Adapter
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Vertiv™ Geist™ Environmental Sensor FS-15

FS-15

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

0-5VDC conductivity based flood sensor used to detect the presence of water. Includes a 15ft / 4.5m cable.

Part number: FS-15

Category: Accessories

Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to ensure out-of-range conditions are addressed before resulting in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Remote sensor type	Water
Connection interface	Dry contact (NO)
Cable length	15ft / 4.5m
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental Sensors
A2D-10 — front



Vertiv™ Geist™ Environmental Sensors
A2D-10 — back

A2D-10

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Analog to digital converter providing the ability to connect a dry contact, 0-10V, or 4-20mA sensor to an RJ12 sensor port. Includes a 10ft / 3m cable.

Part Number: A2D-10

Category: Accessories

Sub-Category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to ensure out-of-range conditions are addressed before resulting in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Accessory type	Analog to digital converter
Connection interface	RJ12 In, RJ12 Out, and Analog In
Input rating	0-10VDC, 4-20mA, or Dry Contact (NO/NC)
Maximum operating temperature	167°F / 75°C
Maximum operating altitude	10,000ft / 3,050m above MSL
Operating relative humidity	5-95%
Cable length	10ft / 3m
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental
Sensor SPS-4

SPS-4

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Four way splitter for RJ12 external environmental sensors.

Part number: SPS-4

Category: Accessories

Sub-category: Splitter

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to ensure out-of-range conditions are addressed before resulting in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Accessory type	RJ12 - 4 Way Splitter
Connection interface	(4) RJ12 In, RJ11 Out
Cable length	10ft / 3.048m



Vertiv™ Geist™ Environmental Sensor SRT-50

SRT-50

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Temperature sensor used to monitor temperature in critical environments. Includes a 50ft / 15.2m cable.

Part number: SRT-50

Category: Accessories

Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Remote sensor type	Temperature
Connection interface	RJ12
Temperature measurement range	-67°F to 257°F / -55°C to 125°C
Temperature measurement accuracy	±0.5°C / -10°C to 85°C
Sensor length	1.25in / 31.75mm
Cable length	50ft / 15.2m
Ingress protection rating	IP67 waterproof
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental Sensor
WSK-10

WSK-10

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Leak detection kit used to monitor the presence of water around the perimeter of a room or row of cabinets. Includes LD310 Control Box, 10ft / 3m leak detection cable, 50ft / 15.2m connection wire, 15ft / 4.5m leader cable, and 5VDC wall transformer.

Part Number: WSK-10

Category: Accessories

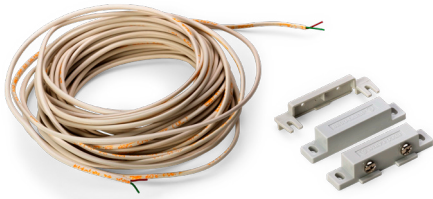
Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and operations:

Accessory type	Leak detection kit
Activity LED	1
Connection interface	(2) Analog (NO)
Power supply compatible with AC 100-240V, 50/60Hz; Output: DC 5V, 2A	North America (NEMA 5-15P)
Cable length	10ft / 3m leak detection cable, 50ft / 15.2m connection wire, 15ft / 4.5m leader cable
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Geist™ Environmental Sensor
2 RDPS

RDPS

Environmental factors like heat, humidity and moisture pose a severe threat to mission-critical infrastructure. These dangers can be minimized by incorporating a network of environmental sensors to collect data and alert users of potential threats. Adding optional sensors to a Vertiv™ Geist™ Environmental Monitor or Vertiv™ Rack Power Distribution Unit (rPDU) allows users to observe conditions from a secure Web interface and receive alerts via Email, SNMP, or Email-to-SMS.

Magnetic normally-closed dry-contact sensor used to monitor remote door position. Includes 30ft / 9.1m cable.

Part number: RDPS

Category: Accessories

Sub-category: External sensor

Benefits

- View real time sensor data from a secure web interface.
- Receive alerts when a threshold is breached to help address out-of-range conditions before they result in downtime.
- Strategically monitor data center, server room and network closet environments to protect critical infrastructure.
- Simple installation and configuration on Vertiv Geist Environmental Monitors and rPDUs.

Specifications and options:

Remote sensor type	Door position
Connection interface	Analog (NC)
Cable length	30ft / 9.1m
Made in the USA	Yes
Product warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/ agency approvals	RoHS compliant



Vertiv™ Environmental-Monitoring Devices

Compatibility matrix

	Vertiv™ PowerIT		Vertiv™ Liebert® IntelliSlot™			Vertiv™ Avocent®
	IMD-3	IMD-5	Unity-DP	RDU101	RDU120	ACS 800
SN-Z01	*	*			*	
SN-Z02	*	*			*	
SN-Z03	*	*			*	
SN-T	*	*			*	
SN-TH	*	*			*	
SN-2D	*	*			*	
SN-3C †	*	*			*	
SN-L		*			*	
GTHD			*****	*****		
GT3HD			*****	*****		
RTAFHD3						
A2D ‡						
FS	**	**			****	
PFS-100	**	**			****	***
RDPS	**	**			****	
SD2	**	**			****	

	Confirmed compatibility
	Not compatible
	Vertiv™ Product EOL
*	Requires Vertiv™ SN adapter 18381
**	Requires Vertiv™ A2D
***	Requires Vertiv™ SN-3C
****	Evaluation in progress
*****	Requires Vertiv™ RJ adapter 10127606G1

Dry contact adapter input ratings:

* SN-3C - Minimum of 5V, 1mA

‡ A2D - 0-10Vdc, 4-20mA

Vertiv™ Avocent® IT Solutions

These solutions enable small to enterprise sized organizations to reduce costs, increase security and optimize availability and productivity.

This portfolio includes hardware and software solutions. The hardware solutions enable secure, auditable remote access, control and management of critical devices through patented, out-of-band technology. This remote access can be to any distance and can scale to high definition audio and video for specialist verticals.

The software solutions deliver efficiencies to the data center specialist by centralizing management of all IT devices. Furthermore, when documenting the data center, managing and planning capacity, we offer organizations a single source of truth tool where they can manage all aspects of this efficiently.

To make it easier, we have divided our products into two sections, as follows:

- **Section 1** - Focuses on customers who want desktop and server room solutions.
- **Section 2** - Focuses on customers who require enterprise level solutions to meet the demanding business challenges which require an agile IT infrastructure.



Section 1

Desktop and server room IT management solutions

Our range of products enables the end user to:

- Efficiently access control and manage the server room without the need to physically be there.
- Help remove IT assets from unsuitable work areas, like hospitals, factories, warehouses, clean rooms, shops.
- De-clutter work places where users require access to multiple PCs, but do not want to use multiple displays, keyboards and mice.
- Efficiently access server room assets and maximize server room space.

Vertiv™ Avocent® KVM

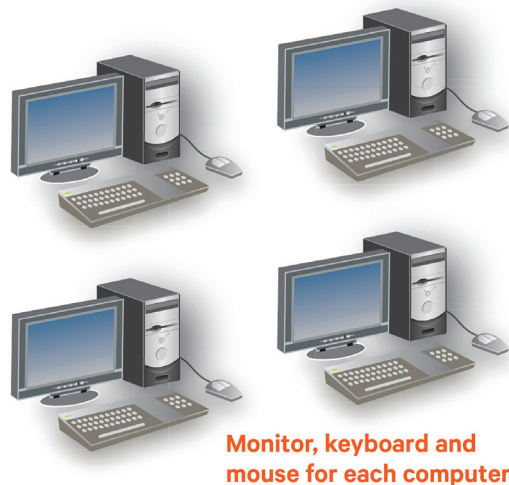
Having a dedicated display/keyboard/mouse for accessing each PC, can take up a lot of space and also cause unnecessary hardware cost. The whole process can become a costly mess.

This is where the Vertiv™ Avocent® Keyboard, Video, Mouse (KVM) Appliance comes in: our switch makes access possible to multiple PCs with only one set of peripherals and no software. With the Vertiv Avocent KVM Switch, the end user can immediately shift between multiple devices with high video resolutions and audio and USB sharing, without configuring settings.

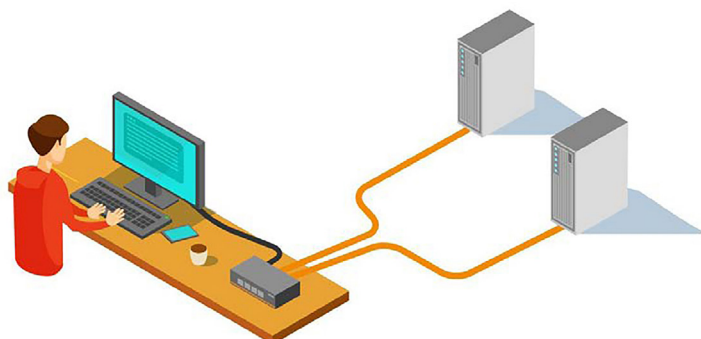
Simply plug in our device and benefit from:

- More space
- Less costs (no need to invest in several peripherals)
- Increased efficiency – easier to switch between devices
- A more productive work environment

Before



After





Vertiv™ Avocent® Cybex™ SC800 and Vertiv™ Avocent® Cybex™ SC900 Secure Desktop KVM Switches



Vertiv™ Avocent® Cybex™ SC800 /
SC900 Secure Desktop KVM switch

Vertiv™ Avocent® Cybex™ SC800 / SC900 Secure Desktop KVM

switches are field-proven, secure, KVM switching solutions with special support for government agencies and security conscientious organizations.

- The Vertiv Avocent Cybex SC800/900 DHP, DHPC, and DVI-D series secure desktop KVM switching portfolio, available in single and dual head models, eliminates redundant peripherals and reduces desktop clutter.
- Prevents information leaks, transfer or crosstalk between adjacent ports and filters ultrasonic audio frequencies via unidirectional optical data diodes (UODD).
- Active intrusion detection and tamper-evident holographic labels prevent hardware from being compromised.
- Universal Video Connectors support DP, HDMI, and DVI-D.

Certifications:

TAA compliant, Designed for NIAP / Common Criteria Protection Profile for Peripheral Sharing Device (PSD) v4.0.

Part number	Description
SC820DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 2-Port Single Display, PP4.0
SC920DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 2-Port Dual Display, PP4.0
SC840DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 4-Port Single Display, PP4.0
SC940DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 4-Port Dual Display, PP4.0
SC845DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 4-Port Single Display with CAC, PP4.0
SC945DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 4-Port Dual Display with CAC, PP4.0
SC985DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure KVM Switch 8-Port Dual Display with CAC, PP4.0
SC840DVI-400	Vertiv Avocent Cybex SC DVI Secure KVM Switch 4-Port Single Display, PP4.
SC940DVI-400	Vertiv Avocent Cybex SC DVI Secure KVM Switch 4-Port Dual Display, PP4.0
SC840DPHC-400	Vertiv Avocent Cybex SC Universal DP/H + USB-C Secure KVM Switch 4-Port Single Display, PP4.0
SC940DPHC-400	Vertiv Avocent Cybex SC Universal DP/H + USB-C Secure KVM Switch 4-Port Dual Display, PP4.0
SC845DPHC-400	Vertiv Avocent Cybex SC Universal DP/H + USB-C Secure KVM Switch 4-Port Single Display, with CAC, PP4.0
SC945DPHC-400	Vertiv Avocent Cybex SC Universal DP/H + USB-C Secure KVM Switch 4-Port Dual Display with CAC, PP4.0



*Vertiv™ Avocent® Cybex™ SCM
Secure Desktop Matrix KVM Switch*

Certifications:

TAA compliant, Designed for NIAP / Common Criteria Protection Profile for Peripheral Sharing Device (PSD) v4.0.

Vertiv™ Avocent® Cybex™ SCM 100 Series Secure Desktop Matrix

Vertiv™ Avocent® Cybex™ SCM Secure Desktop Matrix KVM Switch

offers a proven solution for guarding against cyber intrusion at the desktop.

- Allows users to securely interact with multiple computers and observe two active computers simultaneously thus improving situational awareness. Through cursor navigation switching (CNS), users have the flexibility to manage and monitor their data by simply pressing the left CTRL key and moving their mouse across window borders.
- Dedicated peripheral port permits a secure connection to external USB devices, including CAC smart card readers, fingerprint readers, and face recognition devices.
- Universal data connectors support DP, HDMI, and DVI-D.
- Protected video display emulators eliminate potential data leakage from display to computer.
- Unidirectional Optic Data Diodes (UODD) allow data to only flow in one direction.

Part number	Description
SCM145DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure Desktop Matrix 2x4 KVM with CAC, PP4.0
SCM185DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure Desktop Matrix 2x8 KVM with CAC, PP4.0



*Vertiv™ Avocent® Cybex™ SCM
Secure MultiViewer KVM Switch*

Certifications:

Designed for Common Criteria Protection Profile for Peripheral Sharing Device (PSD) v4.0.

Vertiv™ Avocent® Cybex™ Secure MultiViewer KVM Switch

Vertiv™ Avocent® Cybex™ SCM Secure MultiViewer KVM Switch

continues to provide the KVM solution required in accessing both classified and non-classified data.

Simultaneously view multiple computers on a single display.

- Ability to interact with various security classifications on a single screen.
- With CNS, keyboard and mouse transitions seamlessly when moving the cursor across window borders while holding the left CTRL key.
- Universal video connectors support DP, HDMI or DVI-D.
- Smart-card (CAC) or biometric readers for authentication across multiple secure computers.
- Multi-colored button LEDs for enhanced channel identification.

Part number	Description
SCMV245DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure 4-Port MultiViewer KVM with CAC, PP4.0
SCMV285DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure 8-Port MultiViewer KVM, PP4.0
SCMV2160DPH-400	Vertiv Avocent Cybex SC Universal DP/H Secure 16-Port MultiViewer KVM, PP4.0



Certifications:

TAA compliant, CE, RCM, FCC class B, VCCI, TUV US, TUV Canada, Designed for NIAP / Common Criteria Protection Profile for Peripheral Sharing Device (PSD) v4.0.



Vertiv™ Avocent® Cybex™ AFP



Vertiv™ Avocent® Desktop KVM Switch

Vertiv™ Avocent® Cybex™ SCKM 100 Secure Desktop KM Switches

The **Vertiv™ Avocent® Cybex™ SCKM 100 Switch** provides real-time access to up to 4 systems at a time from a single keyboard and mouse.

- Cursor navigation switching lets users switch control between systems by simply moving the mouse cursor from one display monitor to another while pressing the left CTRL key.
- Unidirectional Optical Data Diodes (UODD) assure USB peripheral isolation enabling data flow from devices to host only.

Part number	Description
SCKM140PP4-400	Vertiv Avocent Cybex SC Universal DP/H Secure Desktop KM , PP4.0

Vertiv™ Avocent® Cybex™ Accessories

Part number	Description
AFP0004	4-port Active Front Panel (AFP) remote KVM switch
AFP0008	8-port Active Front Panel (AFP) remote KVM switch
AFPSPLITTER	Vertiv™ Avocent® SwitchView™ AFP splitter cable for SV Matrix KVM
SCMDR0001-400	SC MDR Smart-Card Reader, 4 ports
SCUSBHIDFILTER	SC USB HID filter with eLock
USBCUSBCNP	3M (10FT) USB-C/USB-C +ETH +PWR Adapter cable

Vertiv™ Avocent® SV200 and Vertiv™ Avocent® SV300 Desktop KVM Switches

Vertiv™ Avocent® Desktop KVM Switches simplify access to essential business systems.

- Universal video connectors support DVI-D, HDMI, DisplayPort, and support for resolutions up to UHD 4K assures images quality is highly accurate and video plays at the highest definition possible.
- Managed copy and paste allows content to be copied from one system to another.
- Independent audio and USB switching lets users freeze audio and USB 3.0 peripherals while simultaneously working on a different system.
- Multiple USB ports provide easy connectivity to external USB devices, quick data transfer and high-speed charging of mobile devices.

Part number	Description
SV240DPH-400	Vertiv Avocent SV Universal DP/H KVM Switch 4-Port Single Display
SV2160DPH-400	Vertiv Avocent SV Universal DP/H KVM Switch 16-Port Single Display
SV340DPH-400	Vertiv Avocent SV Universal DP/H KVM Switch 4-Port Dual Display

Vertiv™ Avocent® SV KVM Matrix

Allows for monitoring and managing of two active computers through a single KVM.

- Universal video connections support HDMI, DisplayPort and DVI-D to support for resolutions up to UHD 4K assures image quality is highly accurate and video plays at the highest definition possible.
- Allows users to interact with multiple computers and enhances situational awareness to multi-task by keeping two critical systems in the user's field of vision.

Through Cursor Navigation Switching (CNS), users have increased productivity through the ease of moving the cursor across screen borders.



Vertiv™ Avocent® SwitchView™ Matrix

Part number	Description
SVM140DPH-400	Vertiv Avocent SV Universal DP/H Desktop Matrix 2x4 KVM
SVM180DPH-400	Vertiv Avocent SV Universal DP/H Desktop Matrix 2x8 KVM

Vertiv™ Avocent® SV MultiViewer KVM

Allows for monitoring and seamless interaction with up to 16 computers up to two displays while using a single KVM.

- Universal video connections support HDMI, DisplayPort, and DVI-D to support for resolutions up to UHD 4K assures image quality is highly accurate and video plays at the highest definition possible.
- Allows users to interact with up to 16 computers enhancing the ability to multi-task by viewing multiple computers on up to two displays.

Provides users with flexible display layout view options across multiple screens.



Vertiv™ Avocent® Commercial MultiViewer KVM Switch

Part number	Description
SVMV240DPH-400	Avocent SV Universal DP/H 4-Port MultiViewer KVM
SVMV280DPH-400	Avocent SV Universal DP/H 8-Port MultiViewer KVM



Vertiv™ Avocent® LongView™ 5500 and Vertiv™ Avocent® LongView™ 5520



Vertiv™ Avocent® LongView

Vertiv™ Avocent® LongView™ 5500:

- Provides 'at the PC' real-time access with UHD clarity and immediate USB responsiveness from a remote location.
- DisplayPort 1.2 connectivity, Single head 4K 60 extension assures image quality is highly accurate and video plays at the highest definition possible.
- Local console output duplicates incoming video and audio.

Vertiv™ Avocent® LongView™ 5520:

- Provides 'at the PC' real-time dual-head access with UHD clarity and immediate USB responsiveness.
- DisplayPort 1.2 connectivity, Dual head 4K 60 extension assures image quality is highly accurate and video plays at the highest definition possible.
- Hi-speed USB for isochronous devices.

Part number	Description
LV5500R-400	Vertiv Avocent LongView Single-head DP Extender, 4K60 video, Local Pass Through, USB2.0, audio, CATx or fiber (Transmitter)
LV5500T-400	Vertiv Avocent LongView Single-head DP Extender, 4K60 video, Local Pass Through, USB2.0, audio, CATx or fiber (Receiver)
LV5520R-400	Vertiv Avocent LongView Dual-head DP Extender, 4K60 video, USB2.0, audio, CATx or fiber (Transmitter)
LV5520T-400	Vertiv Avocent LongView Dual-head DP Extender, 4K60 video, USB2.0, audio, CATx or fiber (Receiver)



Vertiv™ Avocent® LongView™
4000 KVM Extenders

Vertiv™ Avocent® LongView™ 4000 KVM Extenders

The Vertiv™ Avocent® LongView™ 4000 KVM Extenders enable you to locate your critical computing hardware in a secure and temperature controlled environment, while maintaining the same user experience.

- Video, USB 2.0 (Low and Full speed) and audio all pass along a single cable, providing up to 50m (150ft) of extension.
- The transmitter is powered via its USB port to reduce the need for external power supplies.
- Supports DVI-D (HDMI with adapter) video on single or dual screens, with resolutions up to 1920 x 1200 @ 60Hz.
- The Vertiv Avocent LongView 4000 series extenders are delivered in a zero config state so you can plug them in and start working with them straight away. There's no need for drivers or software.
- USB 2.0 support of any USB human interface device from mice and keyboards through to graphics tablets, touchscreens, jog shuttles, joysticks, 3D explorers and mass storage devices. Full speed (12Mbps) isochronous devices such as headsets are supported.

Part number	Description
LV4010P-201	Vertiv Avocent LongView single DVI,USB,audio,CATx 50M
LV4010P-202	Vertiv Avocent LongView single DVI,USB,audio,CATx 50M
LV4020P-201	Vertiv Avocent LongView dual DVI,USB,audio,CATx 50M
LV4020P-202	Vertiv Avocent LongView dual DVI,USB,audio,CATx 50M



Vertiv™ Avocent® LongView™
3000 KVM Extenders

Vertiv™ Avocent® LongView™ 3000 KVM Extenders

The **Vertiv™ Avocent® LongView™ 3000 KVM Extenders** let you place a keyboard, monitor, mouse, speakers and microphone up to 1,000 feet away from a computer or Vertiv™ Avocent® KVM switch.

- VGA resolutions of 1920 x 1200 are achievable at up to 300 meters (1000ft).
- The Vertiv Avocent LongView 3000 series extenders are delivered in a zero configuration state so you can plug them in and start working immediately. There's no need for additional drivers or software.
- USB 2.0 (low and full speed) support allows all USB compatible accessories (including isochronous devices) to be extended connected to its 4 port hub.

Part number	Description
LV3010P-201	Vertiv Avocent LongView single VGA,USB,audio,CATx 300M
LV3010P-202	Vertiv Avocent LongView single VGA,USB,audio,CATx 300M
LV3020P-201	Vertiv Avocent LongView dual VGA,USB,audio,CATx 300M
LV3020P-202	Vertiv Avocent LongView dual VGA,USB,audio,CATx 300M

When ordering products please replace the suffix "-xxx" with the suffix for your region, as follows:
 -201 UK and Ireland
 -202 European region

Vertiv™ Avocent® "at-the-rack" access solutions



Vertiv™ Avocent® AV3108 over IP Switch

When managing a server room, individually accessing each rack and device can waste a lot of time.

Vertiv offers you the solution which allows you to manage these devices from one central point. With the Vertiv™ Avocent® Rack Solutions you can access and control the server room without the need to physically be there. Not only do the rack solutions allow you to be in another room as the servers, but they also allow you to manage the servers from another building, country or continent as long as you have an Internet connection, through our digital IP range.

To sum up, by investing in the Vertiv™ Avocent® Rack Solutions, you benefit from:

- More TIME – connect to any device in the server room, wherever you are, and stop wasting the time that takes for you to actually be there.
- Proximity – an Internet connection can bring you closer to your server room, anywhere you are on the globe.
- Less costs – by accessing the servers faster, you can decrease the down time, thus allowing your business to save more money.
- Simplify work with ability to copy and paste data.



LCD trays



Vertiv™ Avocent® LCD Trays

Even though managing your infrastructure remotely gives you many benefits, there will be times when you will need to physically be there to add more hardware, memory, etc.

In order to do that, you need local access devices that get the job done efficiently. So, forget the crash carts, the long cable wires and wasting time by connecting/disconnecting the peripherals! Vertiv introduces you the built-in Vertiv™ Avocent® LCD tray, which allows you to save space and give you efficient access to the rack.

Our products are developed smart, therefore offering you a better solution to managing your IT infrastructure.

The Vertiv™ Avocent® LCD Trays are no different, hence offering you the following benefits:

- More space – being compact, our LCD trays consume a minimal amount of rack space
- Simplicity – the product is easy to mount and connect
- Efficiency – a better working environment equals more productivity
- Durability – our LCD trays are made to last!

The compact design is well-suited for the small to midsize business environment, data center and server rooms. Vertiv Avocent LCD consoles are available as a standalone or with an 8- or 16-port KVM switch in the same 1U space.

Part number	Description
LRA185KMM-xxx	1U 19" LCD console w/ USB touchpad and keyboard
LRA185KMM8-xxx	1U 19" LCD console w/ USB touchpad, keyboard and pre-mounted 8-ports AutoView 3108 switch
LRA185KMM16-xxx	1U 19" LCD console w/ USB touchpad, keyboard and pre-mounted 16-ports AutoView 3216 switch

When ordering products please replace the suffix "-xxx" with the suffix country Keyboard

Suffix	Country keyboard layout
-001	International english keyboard
-201	Uk english keyboard
-204	French keyboard
-205	German keyboard

Section 2

Enterprise IT infrastructure solutions for data center

If you want to increase your profit, reduce your IT costs and streamline your data center management, you are certainly looking for:

1. Remote management

Remotely and securely access and manage data center IT assets.

2. Centralization

Centralize and standardize IT remote management.

3. Capacity management and planning

Get visibility into current data center capacity and the ability to accurately forecast needs.

4. Power management

Optimize your customers' data center power requirements and offer maximum availability of their infrastructure.



Remote management



Vertiv™ Avocent® ACS 800 Serial Console

With our technology, you can remotely manage any device, any location, any vendor, any time, securely.

This applies to servers and other IT and network devices (routers, switches, firewalls, etc). Administrators can control every connected device from anywhere they like, as if they were actually on site – even when the device itself can no longer communicate over the network. As a result, the response time and outage duration are shortened, thereby improving IT management efficiency and IT availability.

Serial consoles



Vertiv™ Avocent® ACS 8000 Vertiv™ Serial Console

The Vertiv™ Avocent® ACS serial consoles, part of Avocent's renowned enterprise class data center products, offer in-band and out-of-band serial access to remotely manage IT devices anywhere in the world. With the new cellular feature, providing additional connectivity capabilities, the Vertiv™ Avocent® ACS8000 cellular builds on its robust feature set to address emergency situations such as accessing locked-up devices and loss of IP band connectivity.

Vertiv™ Avocent® ACS 8000

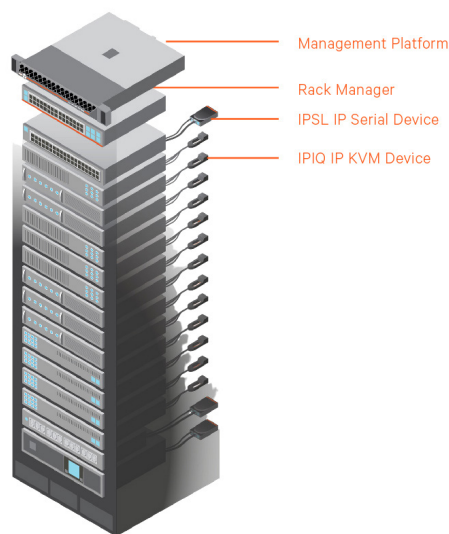
Deliver secure in-band and out-of-band visibility and control to downstream equipment in enterprise data centers, as well as cloud and colocation facilities. Now with cellular capabilities, the Vertiv Avocent ACS8000 Cellular provides flexibility to access devices when wired networks are down (failover) or not available at the device location.

Vertiv™ Avocent® ACS 800

The Vertiv™ Avocent® ACS 800 serial console provides serial access, environmental monitoring, IoT integration and remote networking capability to the Edge oriented market sectors of financial institutions, retail chains, education and others.

Part number	Description
ACS804MEAC-404	4-Port ACS800 serial console with analog modem, external AC/DC Power Brick - Jumper cord: Plug C14 to connector C13
ACS8008SAC-404	8-Port ACS8000 console system with single AC Power Supply
ACS8008SDC-400	8-Port ACS8000 console system with single DC Power Supply
ACS8008MDAC-404	8-Port ACS8000 console system with dual AC Power Supply and Analog Modem
ACS8008-EU-DAC-400	8 Port ACS8000 cellular with 4G/LTE dual AC Power Supply
ACS8016SAC-404	16-Port ACS8000 console system with single AC Power Supply
ACS8016DAC-404	16-Port ACS8000 console system with dual AC Power Supply
ACS8016MDAC-404	16-Port ACS8000 console system with dual AC Power Supply and Analog Modem
ACS8016-EU-DAC-400	16 Port ACS8000 cellular with 4G/LTE dual AC AC Power Supply
ACS8032SAC-404	32-Port ACS8000 console system with single AC Power Supply
ACS8032MDAC-404	32-Port ACS8000 console system with dual AC Power Supply
ACS8032MDDC-400	32-Port ACS8000 console system with dual AC Power Supply and Analog Modem
ACS8032-EU-DAC-400	32 Port ACS8000 cellular with 4G/LTE dual AC AC Power Supply
ACS8048SAC-404	48-Port ACS8000 console system with single AC Power Supply
ACS8048DAC-404	48-Port ACS8000 console system with dual AC Power Supply
ACS8048MDAC-404	48-Port ACS8000 console system with dual AC Power Supply and Analog Modem
ACS8048MDDC-404	48-Port ACS8000 console system with dual DC Power Supply and Analog Modem
ACS8048-EU-DAC-400	48-Port ACS8000 cellular with 4G/LTE dual AC AC Power Supply

Vertiv™ Avocent® DSView™ Solution



Vertiv™ Avocent®
DSView™ Solution

The Vertiv™ Avocent® DSView™ Solution is built upon a secure common architecture which seamlessly integrate and scale to create an open yet resilient IT management platform – from Enterprise to Edge configurations. Vertiv Avocent DSView Solution provides the highest performance and agility, security, and enables automation, management, monitoring and control of all your devices like no other solution in the market.

Key benefits

- Fastest and most feature rich KVM experience on a single device.
- All digital architecture for flexible and scalable deployments.
- Most expansive management of IT devices.
- Resilient and secure technology supporting 100+ simultaneous users.
- Common architecture with open standards, platforms and APIs.

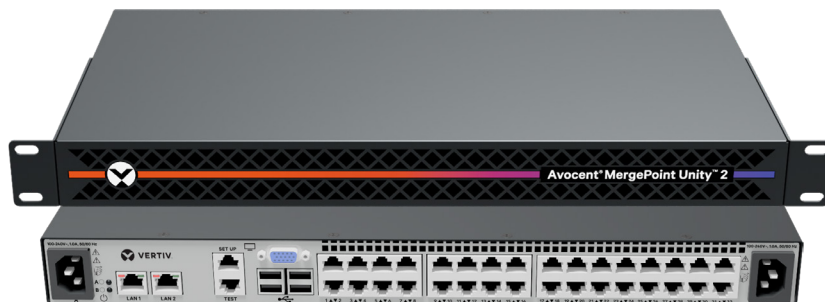
Part number	Description
MP1000DAC-400	Vertiv™ Avocent® Management Platform.
MP1000VA	Vertiv Avocent Management Platform - MP1000 Virtual Appliance
RM1048PDAC-400	Vertiv™ Avocent® Rack Manager, 48 PoE Ports.
IPUHD-400	Vertiv™ Avocent® IPUHD 4K IP KVM device.
IPIQ-400	Vertiv™ Avocent® IPIQ IP KVM device, 1920x1080, VGA native adapter.
IPSL104-400	Vertiv™ Avocent® IPSL IP Serial Device 2 x RJ45 Serial, 2 x USB, 1 x 1G PoE, MicroUSB



Vertiv™ Avocent® Mergepoint Unity™ 2 Switch

Key features and benefits

- **No onsite visits:** Save time and money while minimizing travel through remote system management.
- **Efficient troubleshooting:** Quickly diagnose and resolve issues to minimize downtime.
- **Remote firmware updates:** Easily update firmware without physical access.
- **Consolidated view:** Manage all servers from a single interface.
- **Streamlined staff training:** Train your team on a single, unified solution for all infrastructure needs to reduce complexity and training time.
- **User permissions:** Assign different user roles and permissions for enhanced security.
- **Remote UEFI and BIOS access:** Remotely access and configure UEFI and BIOS settings to perform critical system updates and troubleshoot hardware issues.
- **Virtual media:** Simplifies OS deployments, patch deployments and new application installations.
- **Smart card/CAC reader support:** Provides local support for smart card/CAC readers.
- **Local hot key support:** A faster way to navigate and perform tasks locally.
- **Serial management:** Serial modules support SSH connections to targets.
- **Local and remote browser interface:** Easy setup and use.
- **RESTful API:** For automation and 3rd party management tools.
- **Compact design:** When paired with Vertiv's LRA185KMM it fits within a single rack unit (1U).
- **Central Management:** Built-in Web interface for standalone applications or can be managed with the MP1000 Management Platform as part of Vertiv™ Avocent® DSVIEW™ Solution.



Vertiv™ Avocent® Mergepoint Unity™ 2 Switch

Introducing the Vertiv™ Avocent Mergepoint Unity 2. This fifth-generation KVM over IP switch is designed to meet the evolving demands of today's IT environments with advanced security, enhanced resolution, and seamless integration.

Achieve secure remote access to your entire server infrastructure from any location and reduce the need for onsite visits. The Vertiv Avocent MergePoint Unity 2 KVM-over-IP Switch provides IT administrators with an efficient solution for updating and troubleshooting servers across multiple locations. By consolidating tools and providing a unified view, it streamlines server management, enhances security, and helps limited IT staff stay effective, no matter where systems are deployed.

Advanced security

- Protect your systems with Secure Boot, Vertiv-signed keys, and TLSv1.3 allowing only verified firmware and software to operate.
- Meet strict security requirements with FIPS 140-2 compliance, making it ideal for high security environments.
- Supports TACACS+, RADIUS, and LDAP authentication protocols.
- Support of an HTML5 Viewer for a more secure and Java-free KVM access.
- Enhanced security and performance with an updated kernel for comprehensive system protection.

Enhanced resolution

- Experience high-quality visuals with support for video resolutions up to 1920 x 1080 with 24-bit color.
- Perform detailed tasks such as system performance monitoring and issue troubleshooting with precise visual clarity.

Scalable configurations

- Choose from multiple configurations that include 8-port, 16-port, and 32-port models to meet your current needs.
- Adapt to changing business demands with scalable configurations, that provide long-term investment protection.

Overview

Mechanical

Size:

- Height: 8.125 in. (20.64 cm)
- Width: 13 in. (33.02 cm)
- Length: 20.88 in. (53.04 cm)

Weight:

- 11 lbs. (4.9 kg)

Ports/connections:

- **Network:** 2
- **Device ports:** 8, 16, or 32
- **Local console:** 1 Connector: USB and VGA
- **Supported target video:** VGA, DVI-I, Display Port, and HDMI

Power supply

- **Number:** Dual power supplies
- **Type:** Internal
- **AC input range:** 100-240V
- **Connector:** IEC, C14

Video resolution

- Maximum local video resolution 1920x1080
- Maximum remote resolution 1920x1080

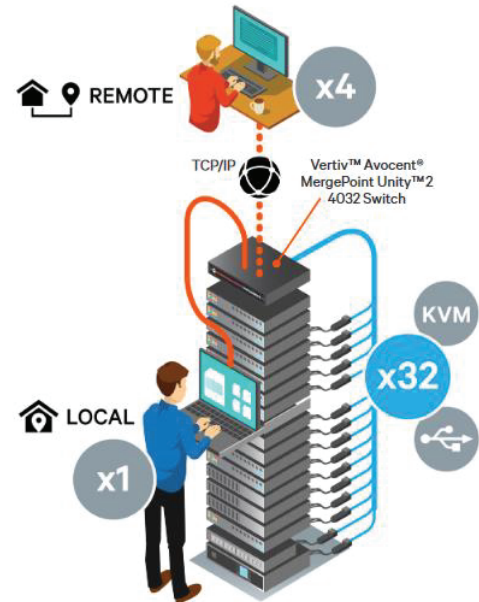
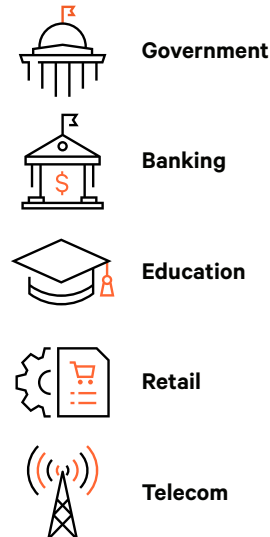
Regulatory certifications

- These are current: UL, FCC, cUL, ICES-003, CE, VCCI, KCC, RCM, NOM, EAC.

Warranty

- 2 year standard warranty
- Multi-year extended support plans available

Applications:



Ordering details

Part number	Description
MPU2-108DAC-400	8-port, 1 digital KVM path, dual AC power supply, TAA compliant
MPU2-2016DAC-400	16-port, 2 digital KVM path, dual AC power supply, TAA compliant
MPU2-2032DAC-400	32-port, 2 digital KVM path, dual AC power supply, TAA compliant
MPU2-4032DAC-400	32-port, 4 digital KVM path, dual AC power supply, TAA compliant

Server interface modules, cables, and accessories

SFIQ-VGA	Smaller form factor server interface module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
MPUIQ-VMCHS-G01	Server interface module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0. TAA compliant
MPUIQ-VMCHD-G01	Server interface module for HDMI video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
MPUIQ-VMCDV	Server interface module for DVI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0
MPUIQ-VMCDP-G01	Server interface module for DisplayPort video, USB key- board/ mouse supporting virtual media, CAC and USB2.0
MPUIQ-SRL-G01	Server interface module for serial devices for extended distance (requires UPD-AM)
UPD-IEC	Power supply, IEC Adapter & 4 output cable to support up to 4 MPUIQ-SRL modules

Compatible with modules from previous Vertiv™ Avocent® MergePoint Unity™ Switch models.

What's included in the box

- The Vertiv™ Avocent® MergePoint Unity™ 2 switch
- AC power cords
- Quick installation guide
- Rack mount bracket kit



Thermal management

Get efficient and reliable heat management and humidity control solutions geared to your specific size, location and business goals.

Your customers' mission-critical facilities need the very best in precision cooling, and we deliver with the industry's most advanced equipment and controls, low operating costs and unparalleled expertise.

Vertiv™ Liebert® CRV



Vertiv™ Liebert® 10kW CRV DX



Vertiv™ Liebert® CRD35 DX

Row-based cooling

Direct expansion (DX) cooling unit up to 35 kW or Chilled Water (CW) cooling unit up to 50 kW

Key benefits

The Vertiv™ Liebert® CRV combines the best footprint cooling capacity with the highest efficiency

- Low total cost of ownership through the use of EC fans, unit-to-unit Teamworking, capacity modulation, and the variable speed compressor. Simultaneous top and bottom connections provide increased flexibility during installation
- Reheat and humidification control
- Connect up to 10 temperature sensors to one unit for enhanced temperature control
- Easily monitor and control your IT system with integrated communication through BACnet, Modbus, and SNMP protocols
- Multiple configurations and heat rejection options provide more flexibility when planning the site
- Longer pipe runs allow for installation in a wider range of locations

Direct expansion version

- DC inverter scroll compressor
- Electronic expansion valve
- Variable speed EC fans

Chilled water version

- Field Adjustable 2way / 3way valve
- 0-10V continuously controlled actuators
- Variable Speed EC Fans

Applications

- Banking, financial and insurance
- Broadcast and entertainment
- Data center/colocation/hosting
- Education
- Government
- Telecom



Technical specifications - direct expansion

	CRD10	CRD25	CRD35
SKU	CRD102-1D00B	CRD255-PD00A	CRD355-PD00A
Net sensible cooling capacity* (kW)	10	25	36
Capacity modulation range	20-100%	20-100%	20-100%
Rated airflow (m ³ /h)	3200	5200	8000
Heating capacity (kW)	3	3	6
Humidification capacity (kg/h)	N/A	2	2
Air filtration	G4	G4	G4
Remote monitoring	HTTP / SNMP / Modbus / BACnet		
Piping and cabling connections	Top & bottom	Top & bottom	Top & bottom
Dimensions (W x D x H), mm	300 x 1132 x 2000	300 x 1132 x 2000	600 x 1132 x 2000
Weight, kg (lbs)	230 (509)	272 (599)	358 (789)
Refrigerant/coolant	R410A	R410A	R410A
*Test conditions: 37°C, 24% Return Air, 35°C outdoor			
Environmental requirements			
Operating temperatures, °C (°F)		24 to 45 (75 to 113)	24 to 45 (75 to 113)
Storage temperatures, °C (°F)		-40 to 70 (-40 to 158)	-40 to 70 (-40 to 158)
Outdoor air temperature, °C (°F)	-15 to 45 (5 to 113)	-20 to 52 (-4 to 125)	-20 to 52 (-4 to 125)
With low ambient kit, °C (°F)	-34 to 45 (-29 to 113)	-35 to 48 (-31 to 118)	-35 to 48 (-31 to 118)
Max piping length, m (ft)	91 (298)	120 (393)	120 (393)
Electrical requirements			
Input voltage	230V, 1ph, 50-60Hz	400V, 3Ph, 50Hz	400V, 3Ph, 50Hz
Power input	3.2	7.2	10.1
FLA (A)	38	30	40
Condenser specifications			
	CCD10	CCD25	CCD35
SKU	CCD101S-00B	CCD254H-00A	CCD354H-00A
Width, mm (in)	745 (29.3)	1562 (61.5)	2362 (93)
Depth, mm (in)	1300 (51.2)	830 (32.7)	830 (32.7)
Height, mm (in)	450 (17.7)	1272 (50.1)	1272 (50.1)
Weight, kg (lb)	56 (123)	120 (264.6)	175 (385.8)

Technical specifications - chilled water

	CRC30	CRC60	CR040	CR050
SKU	CRC305-PD20A	CRC602-0D20A	Configurable	Configurable
Net sensible cooling rapacity* (kW)	32	50	40	50
Capacity modulation range	0-100%	0-100%	0-100%	0-100%
Rated airflow (m3/h)	5100	7700	5650	7400
Heating capacity (kW)	3	-	6	N/A
Humidification capacity (kg/h)	2	-	2	N/A
Air filtration	G4	G4	G4/F5	G4/F5
Remote monitoring	HTTP / SNMP / Modbus / BACnet			
Piping and cabling connections	Top & bottom	Top & bottom	Top & bottom	Top & bottom
Chilled water connection size	Rp 1-1/4	Rp 1-1/4	Rp 1-1/4	Rp 1-1/4
Dimensions (W x D x H), mm	300 x 1132 x 2000	300 x 1132 x 2000	600 x 1175 x 2000	600 x 1175 x 2000
Weight, kg (lbs)	242 (533.5)	235 (518)	365 (804)	365 (804)
Refrigerant/Coolant	Chilled water	Chilled water	Chilled water	Chilled water
*Test conditions: 37C, 24% Return Air, 10/15C Chilled Water Temp				
Environmental requirements				
Operating temperatures, °C (°F)	18 to 45 (64 to 113)	27 to 45 (80 to 113)	18 to 40 (64 to 104)	18 to 40 (64 to 104)
Storage temperatures, °C (°F)	-40 to 70 (-40 to 158)	-40 to 70 (-40 to 158)	-20 to 50 (-4 to 122)	-20 to 50 (-4 to 122)
Electrical requirements				
Input voltage	400V, 3Ph, 50Hz	230V, 1ph, 50-60Hz	400V, 3Ph, 50Hz	400V, 3Ph, 50Hz
Power input*	1.00	2.34	1.24	1.89
FLA (A)	14	13	3* / 11.7**	4.5

* Cooling only

** With humidifier and reheat



Technical specifications

Technical data	CRD102	CR025	CR030
Net sensible cooling capacity*	11kW	22 kW	33kW
Version	Air cooled DX	Air cooled DX	Chilled water
Input voltage	230V, 1phase, 50-60Hz	400V, 3phase, 50Hz	230V, 1phase, 50Hz
Humidifier	No	Yes	Yes
Refrigerant	R410A	R410A	Chilled water
Compressor	DC inverter, rotary	DC inverter, scroll	—
CW valve	—	—	Field Adjustable 3way/2way, with 0-10V actuator
Controls	Vertiv™ iCOM™ control with 7" touchscreen display and monitoring of up to 10 racks	Vertiv™ iCOM™ control with graphical display and monitoring of up to 10 racks	Vertiv™ iCOM™ control with graphical display and monitoring of up to 6 racks
Communications	Modbus, SNMP, web monitoring, email notifications about alarms		

* Return air temperature 37°C, 24% Relative Humidity, 35°C Outdoor Temperature for CR012 and CR025
Return air temperature 37°C, 24% Relative Humidity, 10/15°C chilled water temperatures for CR030

Dimensions

Height	2000/2200* mm	2000/2200* mm	2000/2200* mm
Width	300 mm	300 mm	300 mm
Depth	1100/1200* mm	1100/1200* mm	1100/1200* mm

* with field installed frame extensions

Suitable condenser

Up to 35°C ambient temperature	HCR33	HCR33	—
Up to 46°C ambient temperature	HCR43	HCR51	—

Technical specifications - direct expansion

	CRD10	CRD25	CRD35
Net sensible cooling capacity* (kW)	10	25	35
Capacity modulation range	20-100%	20-100%	20-100%
Rated airflow (m ³ /h)	3200	5200	8000
Heating capacity (kW)	3	3	6
Humidification capacity (kg/h)	N/A	2	2
Air filtration	G4	G4	G4
Remote monitoring	HTTP / SNMP / Modbus / BACnet		
Piping and cabling connections	Top & bottom	Top & bottom	Top & bottom
Dimensions (W x D x H), mm	300 x 1132 x 2000	300 x 1132 x 2000	600 x 1132 x 2000
Weight, kg (lbs)	230 (509)	272 (599)	358 (789)
Refrigerant/coolant	R410A	R410A	R410A

*Test conditions: 35°C, 24% Return Air, 35°C outdoor

Environmental requirements

Operating temperatures, °C (°F)		24 to 45 (75 to 113)	24 to 45 (75 to 113)
Storage temperatures, °C (°F)		-40 to 70 (-40 to 158)	-40 to 70 (-40 to 158)
Outdoor air temperature, °C (°F)	-15 to 45 (5 to 113)	-20 to 52 (-4 to 125)	-20 to 52 (-4 to 125)
With low ambient kit, °C (°F)	-34 to 45 (-29 to 113)	-35 to 48 (-31 to 118)	-35 to 48 (-31 to 118)
Max piping length, m (ft)	91 (298)	120 (393)	120 (393)

Electrical requirements

Input voltage	230V, 1ph, 50-60Hz	400V, 3Ph, 50Hz	400V, 3Ph, 50Hz
Power input	3.2	6.99	8.49
FLA (A)	38	30	40

Condenser specifications	CCD10	CCD25	CCD35
Width, mm (in)	745 (29.3)	1562 (61.5)	2362 (93)
Depth, mm (in)	1300 (51.2)	830 (32.7)	830 (32.7)
Height, mm (in)	450 (17.7)	1272 (50.1)	1272 (50.1)
Weight, kg (lb)	56 (123)	120 (264.6)	175 (385.8)



Vertiv™ Coolchip RDHx



Vertiv™ Liebert® DCD Passive



Vertiv™ Liebert® DCD with active module

Energy efficient cooling for high density applications

Eliminate heat at the source with space-saving, efficient, and reliable cooling with the Vertiv™ Liebert® DCD, designed to provide a room-neutral cooling solution to high-density IT applications from 5kW to 50kW per rack.

Direct expansion (DX) cooling unit up to 35 kW or Chilled Water (CW) cooling unit up to 50 kW.

Key benefits

- High energy efficiency and low power consumption reduces operational costs
- Ability to install in existing applications, allowing for scalability and future growth
- Smart controls and monitoring capabilities gives users peace of mind through remote access to room conditions

Low operational cost

Reduce your total cost of ownership with the Vertiv Liebert DCD:

- No energy consumption of the Vertiv Liebert DCD passive unit
- Active model uses highly efficient EC fans
- 0-100% capacity modulation to match cooling demands.
- Utilizes existing building chilled water
- Total energy savings potential of up to 70% over traditional cooling

Technical specifications

	Vertiv™ Liebert® DCD35	Vertiv™ Liebert® DCD47*	Vertiv™ Liebert® DCD50
Rated capacity† (kW)	35	47	50
Capacity modulation range	0 - 100%	0 - 100%	0 - 100%

Active module specifications

Nominal airflow m³/h (cfm)	6300 (3700) (n+1 fan) 9000 (5300) (no redundancy)	6300 (3700) (n+1 fan) 9000 (5300) (no redundancy)	7400 (4350) (n+1 fan) 10800 (6350) (no redundancy)
Power consumption	980 W	980 W	1185 W

Dimensions, mm (in)

Unit W x D x H	600 x 120*** x 1954 (23.5 x 6.0 x 76.9)	600 x 300 x 1954 (23.5 x 8.7 x 76.9)	800 x 120*** x 1954 (31.5 x 6.0 x 76.9)
Active module, W x D x H	420 x 125 x 1954 (16.5 x 4.9 x 76.9)		420 x 125 x 1954 (23.0 x 4.9 x 76.9)
Compatible rack heights	2000mm, 2200mm	2000mm, 2200mm	2000mm, 2200mm
Compatible rack widths	600mm, 800mm	600mm, 800mm	800mm

Weight, kg (lbs)

Passive unit, dry	73 (160)	106 (233)	93 (205)
Passive unit, wet	88 (194)	128 (282)	111 (245)
Active module	35 (77)	35 (77)	40 (88)

Environmental requirements

Operating air inlet temperature °C (F)	10 to 35 (50 to 95)	10 to 35 (50 to 95)	10 to 35 (50 to 95)
Storage temperatures, °C (F)	-30 to +50 (-22 to +122)	-30 to +50 (-22 to +122)	-30 to +50 (-22 to +122)
Audible noise	73 dBA	73 dBA	77 dBA
Operating pressure (Max), bar (psi)	10 (145)	10 (145)	10 (145)
Maximum CW flow rate, l/s (gpm)	1.5 (23.8)	2.0 (31.7)	2.0 (31.7)

* Vertiv™ Liebert® DCD47 is only available as an active model.

† Test conditions for rated capacity: 21C (69F) ambient air temperature, 12C (53F) entering water temperature, 50% RH.

*** 151mm incl. swivel joint



Vertiv™ Coolchip CDU070



Vertiv™ Coolchip CDU070

In-row liquid-to-air coolant distribution unit

With its liquid to air heat exchanger the **Vertiv™ CoolChip CDU 70** Coolant Distribution Unit removes the traditional barriers to liquid cooling, giving end users a cost-effective means for deploying liquid-cooled servers to support advanced applications.

Overview

Internet of Things (IoT), Artificial Intelligence (AI), and other data intensive technologies like virtual reality are requiring data centers and colocation environments to deploy servers with more intensive power and cooling requirements. While liquid-cooled servers afford tremendous efficiency benefits in these high-density environments, it is no small task for an air-cooled data center to make the infrastructure changes needed to support liquid-cooled servers & until now. The Vertiv CoolChip CDU 70 liquid-to-air heat exchanger technology for direct-to-chip cooling applications allows end users to easily and cost-effectively tap into the advantages of liquid cooling with no need to redesign existing air-cooled environments.

Key benefits

- Reduced capital expenditures
- High cooling capacity with a compact footprint
- Simplified installation
- Improved heat rejection capacity
- Fan and pump redundancy
- Designed for easy serviceability with hot-swappable fans, pumps, and filters

Technical specifications

Physical data

Unit dimensions (H x W x D), mm (in)	2300 x 600 x 1200 (91 x 24 x 48)
Shipping dimensions (H x W x D), mm (in)	2497 x 930 x 1350 (98.2 x 39.6 x 53.1)
Weight (dry), kg (lbs)	386 (851)
Weight (wet), kg (lbs)	434 (956.8)
Weight (shipping), kg (lbs)	546 (1203.7)

Performance data

at 40°C (104°F) fluid supply temperature

Nominal cooling capacity	70 kW @ 15°C Approach Temperature Difference (ATD)
Nominal fluid flow	70 l/min (18.5gpm)

**All performance data listed above was calculated with 6 fan operation*

Fan data

Maximum airflow, 6 fan operation (N+1)	9,500 CMH (5,592 CFM)
Maximum airflow, 7 fan operation (N)	11,100 CMH (6,533 CFM)
Noise level at 3m (10ft)	< 72 dBA (Sound pressure)

Fluid circuit data

Fluid type	Water or PG-25 with inhibitors
Fluid filtration	50µm or 25µm
Base unit, L (Gal)	38 (10)
Reservoir tank capacity, L (Gal)	10 (2.6)
Piping connection	1.5 in. Sanitary flange (top or bottom)

Electrical data

Power supply	110V-120V, 1PH, 50/60 Hz	208V-240V, 1PH, 50/60 Hz
Full Load Amps (FLA)	18A	9A
Minimum Circuit Ampacity (MCA)	20A	10A
Maximum Overcurrent Protection (MOP)	25A	15A
Short Circuit Current Rating (SCCR)	7.5kA	
Power consumption	1.92 kW at maximum flow and external pressure drop (single pump)	
Dual power feeds	Standard feature	

** Contact Vertiv for additional power configurations*

Ambient conditions

Operating conditions	0 to 40° C (32 - 104° F), 10 to 90% RH
Storage conditions	-40 to 70° C (-40 - 158° F), 5 to 93% RH

Compliance

Compliance	CE, cULus, RoHS
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Vertiv™ CoolPhase Wall



The **Vertiv™ CoolPhase Wall** is a wall-mount split system for small technical rooms, server rooms, and edge computing applications. Taking up zero floor space, this compact unit provides up to 11kW of dedicated cooling.

Benefits

- **Lower operating** costs provided by improved system efficiency
- **Increased airflow** supports consistent temperature control for mission-critical environments
- **Intelligent Vertiv controls & remote monitoring** for setting and viewing system status
- **Teamwork connection between multiple units** for active standby lead/lag control
- **Installation options** provide for greater deployment flexibility

Available in various sizes and capacities

- High Sensible Heat Ratio (SHR) provides dedicated IT heat removal at lower operation costs.
- Higher Airflow values over traditional comfort cooling systems to reduce hot spots.
- Intelligent Vertiv™ Controls and Remote Monitoring optimizes thermal conditions and improves system reliability.



Vertiv™ CoolPhase Wall: Indoor Unit

- Outdoor heat rejection capability from -31°F to 118°F (-35°C to 48°C). Covering a wide range of working environments.
- Low GWP Refrigerant (R-32) reduces environmental impact.
- Variable speed compressors and variable speed fans improves energy efficiency and reduces operating costs.
- Plenum-approved heat rejection for increased deployment flexibility.



Vertiv™ CoolPhase Condensing Unit

Technical specifications

Indoor unit	WLM030A	WLM070A	WLM110A
Sensible cooling capacity*	3.5 kW 11,942 BTUH	6.5 kW 22,178 BTUH	10.0 kW 34,120 BTUH
Sensible heat ratio	≥0.9	≥0.9	≥0.9
Maximum airflow	618 CFM 1,050 CMH	1,177 CFM 2,000 CMH	1,825 CFM 3,100 CMH
Power supply	208/230V 1ph 50/60hz	208/230V 1ph 50/60hz	208/230V 1ph 50/60hz
Indoor operating range	68°F to 86°F (20 °C to 30 °C)	68°F to 86°F (20 °C to 30 °C)	68°F to 86°F (20 °C to 30 °C)
Refrigerant	R-32	R-32	R-32
Controls	Vertiv™ Liebert® iCOM™ Edge Controller, Automatic startup HTTP, SNMP, BACnet, Modbus		
Certification	AHRI, CE, cETLus & UKCA	AHRI, CE, cETLus & UKCA	AHRI, CE, cETLus & UKCA
Dimensions (HxDxW)	19.29in x 15.35in x 36.02in (490mm x 390 mm x 915mm)	19.29in x 15.35in x 49.80in (490mm x 390mm x 1265mm)	19.29in x 15.35in x 56.10in (490mm x 390mm x 1425mm)
* at 23.88C (75F) return air temperature, 45% relative humidity			
Condenser matchup table	Air-Cooled Standard Ambient -4°F to 118°F (-20°C to 48°C)		
	CUD030-E000A	CUD070-E000A	CUD11*-E000A
	Air-Cooled Low Ambient -31°F to 118°F (-35°C to 48°C)		
	CUL030-E000A	CUL070-E000A	CUL11*-E000A
Dimensions (HxDxW)	20.30in x 12.55in x 38.77in (516mm x 319mm x 985mm)	20.30in x 16.49in x 44.40in (516mm x 419mm x 1128mm)	22.83in x 20.47in x 51.29in (580mm x 520mm x 1303mm)

* value depends on supplied power

All values provided are subject to change at time of product release



Vertiv™ CoolChip CDU121



Vertiv™ CoolChip CDU121

In-rack liquid-to-liquid coolant distribution unit

The Vertiv™ CoolChip CDU 121 in-rack coolant distribution unit (CDU) provides effective separation of the facility fluid circuit and secondary fluid network via a liquid-to-liquid heat exchanger for single rack direct-to-chip cooling applications.

Key benefits

This energy and space efficient coolant distribution unit for High Performance Computing (HPC) and data center applications provides:

- Simple in-rack installation, occupying only 4U of rack space
- Localized liquid cooling loop to enable quick deployment of liquid cooling
- Essential separation of the primary (facility) water from the IT equipment to maintain high quality
- Controlled secondary fluid circuit through differential pressure, meeting various application requirements
- Secondary fluid temperature controlled within $\pm 1^{\circ}\text{C}$, to offer cooling stability with variable heat loads
- Global all-in-one service offerings from design to installation and startup to fluid management and trouble shooting
- Factory fitted with internal reservoir and fill pump for ease of maintenance
- CE, cULus, and RoHS Compliance

Technical specifications

	AC power input	DC power input
Physical data		
Unit dimensions (H x W x D), m (in)	175 x 445 x 850 (6.89 x 17.52 x 33.46)	
Shipping dimensions (H x W x D), m (in)	441 x 666 x 1096 (17.36 x 26.22 x 43.15)	
Weight (dry), kg (lbs)	54 (119)	52.5 (116)
Weight (wet), kg (lbs)	61.2 (135)	59.7 (132)
Weight (shipping), kg (lbs)	89 (196)	86.5 (191)
Performance data		
Nominal cooling capacity	121 kW @ 4°C Approach Temperature Difference (ATD)	
Nominal fluid flow (secondary)	120 l/min @ 1.15 bar	
Fluid circuit data		
Fluid type	Water or PG-25 with inhibitors	
Fluid filtration	50µm or 25µm	
Primary fluid circuit volume	3.4 L	
Secondary fluid circuit volume	7.2 L	
Piping connection	1.5 in. Sanitary Flange	
Connection location	Rear	
Electrical data		
Power supply	110V-120V / 208V-240V, 1PH, 50/60 Hz	46 V- 52 VDC
FLA	7.6 A (at 115 V) / 3.8 A(at 230 V)	18 A
Nominal power consumption	875 W	860 W
Power feed	Dual IEC C14	ORV3 Busbar Connector
Ambient conditions		
Operating conditions	5 to 45°C (41 - 113°F), 8 to 80% RH (non-condensing)	
Storage conditions	-40 to 70°C (-40 to 158°F), 5 to 93% RH (non-condensing)	
Compliance		
Safety compliance	CE, cULus, RoHS	



The importance of service coverage

Vertiv offers a complete range of service programs specifically designed for products addressing Edge applications.

The portfolio includes various options offering up to 10-year coverage to meet a wide range of customer needs. Vertiv supports any application with an extensive service offering including installation, start-up, maintenance, replacements, 24/7 remote monitoring and diagnostics and much more.

Benefits:

- Reliable critical power delivery
- Optimized use of your IT staff
- Simplified small site UPS deployment and maintenance
- Instant access to power protection information
- Improved protection for your IT investment

Highlights

Services for single-phase UPS up to 20 kVA

Power emergency (0-3 kVA UPS)

Five-year protection program to be purchased within six months from the equipment purchase date, including:

- Advance replacement of faulty unit within eight working hours from incident ticket acknowledgement
- 100% coverage of electronic parts and failed batteries excluding battery misuse and/or reduced autonomy
- FREE shipping from a selection of European countries*
- 24x7 access to professional helpline

Power assurance (3 kVA > UPS ≥ 20 kVA)

Five-year protection program to be purchased within six months from the Equipment purchase date, including:

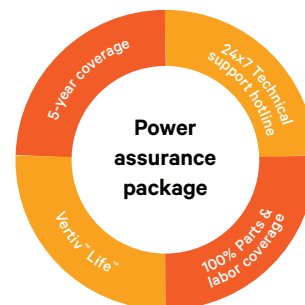
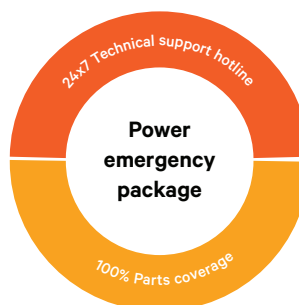
- Advance replacement of faulty unit or on-site repair intervention** (at Vertiv discretion) within eight working hours from incident ticket acknowledgement
- 100% coverage of electronic parts and failed batteries excluding battery misuse and/or reduced autonomy
- FREE shipping from a selection of European countries*
- 24x7 access to professional helpline
- One Preventive Maintenance after the 3rd year performed by a Vertiv technician**
- Vertiv™ Life™ Services (Premier version)

Services for three-phase UPS and thermal management equipment

Integrated warranty extension

One-year contract valid after the warranty period, including:

- Parts included*
- Labour and travel included
- On-site repair intervention within eight working hours from incident ticket acknowledgement
- One annual preventive maintenance visit
- 24x7 access to tech. support hotline



*please check www.vertiv.com for specific country availability or contact your local Vertiv representative

**During normal working hours, excluding public holidays, Saturdays and Sundays.

The world depends on data we power and cool.™

Nearly all aspects of our lives involve the use of technology. It is how we work and play and do anything in between. This connectivity or use of data is built into the very fabric of our society. It is vital to human progress. Vertiv believes there is a better way to meet this accelerating demand for data — one driven by passion and innovation.

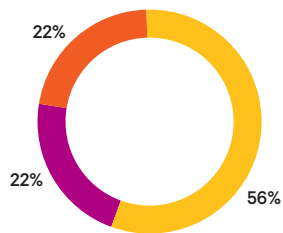
As industry experts, we collaborate with our customers to envision and build future-ready infrastructures. We leverage our portfolio of hardware, software, analytics, and services, to enable our customers' vital applications to run continuously, perform optimally, and scale with business needs.

Data centers: hyperscale/cloud, colocation, enterprise and edge

Communication networks: macro site, central office, small cell and data center

Commercial and industrial: healthcare, manufacturing, rail/mass transit, power generation and oil and gas

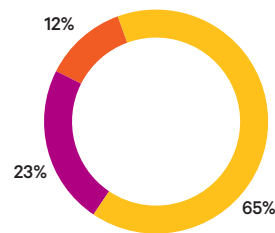
Geography¹



- Americas
- EMEA
- Asia Pacific

Broad range of power, thermal, and IT and edge infrastructure, solutions and services portfolio.

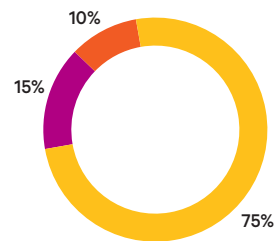
Portfolio¹



- Critical Infrastructure & Solutions
- Services & Spares
- Integrated Rack Solutions

Global, well-established footprint and supply-chain network.

Market Segment^{1, 2}



- Data Centers
- Communication Networks
- Commercial & Industrial

Customers who operate in some of the world's most critical industries.

Our presence



Our purpose

We believe there is a better way to meet the world's accelerating demand for data — one driven by passion and innovation.

Worldwide

Manuf. and Assembly Locations: **22**

Service Centers: **240+**

Service Field Engineers: **3,500+**

Technical Support/Response: **190+**

Customer Experience Centers/Labs: **19**

● Europe, Middle East, and Africa

Manuf. and Assembly Locations: **9**
 Service Centers: **60+**
 Service Field Engineers: **600+**
 Technical Support/Response: **100+**
 Customer Experience Centers/Labs: **5**

● Americas

Manuf. and Assembly Locations: **8**
 Service Centers: **100+**
 Service Field Engineers: **1,600+**
 Technical Support/Response: **70+**
 Customer Experience Centers/Labs: **5**

● Asia Pacific

Manuf. and Assembly Locations: **5**
 Service Centers: **80+**
 Service Field Engineers: **1,300+**
 Technical Support/Response: **20+**
 Customer Experience Centers/Labs: **9**

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