



Vertiv™ SmartCloset™

Complete solution designed
to protect IT & network closets



Systemic challenges at the edge

IT teams with limited resources face new challenges when supporting distributed IT environments such as IT and Network Closets.



Remote visibility across multiple sites



Reliability and unplanned downtime



Facilities not designed for IT infrastructure



The Vertiv™ SmartCloset™ is designed to reduce complexity and simplify deployment.

Vertiv™ SmartCloset™

Purpose-built rack solution for network closets and distributed IT

Fast

The SmartCloset™ is stocked to enable rapid deployment.

Seamless

Pre-validated by Vertiv to ensure easy deployment.

Scalable

Standardized components provide a scalable solution.



Secure IT rack

Vertiv™ VR Racks provide a secure, organized, and efficient place to manage critical IT infrastructure and enable edge locations to meet power and space requirements.



Emergency backup power

Vertiv™ EDGE UPS, Vertiv™ Liebert® GXT5 UPS and Vertiv™ Liebert® GXE provide market-leading efficiency in line-interactive and online double-conversion topologies for power protection and voltage regulation. Also available with Lithium-ion UPS technology.



Remote communications

Networking cards enable the integration of the UPS into monitoring systems, allowing users to manage system status and alarms 24/7 anywhere in the world.



Environmental monitoring

Help protect your critical IT infrastructure by strategically monitoring the temperature, humidity, and dew point within the network closet environment. Sensors are available only for some models.



Integrated power distribution

Vertiv™ PowerIT rPDUs give unmatched reliability, ultimate versatility, and peace of mind that the last link in your power chain is secure. Rack PDU's are available only for select models.



Your investment is protected with a system level service offering from Vertiv

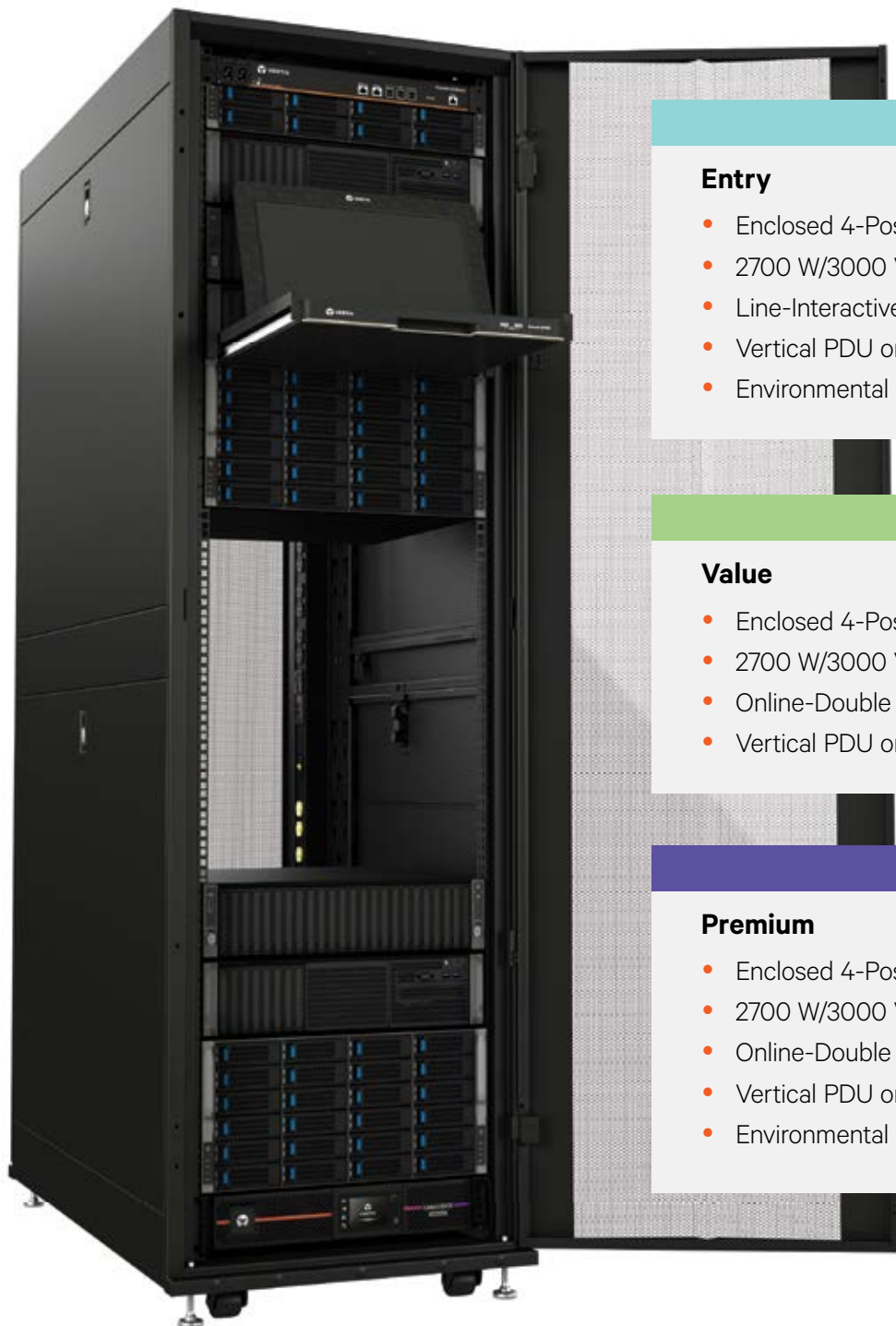
We are here to support you with service solutions for your critical infrastructure and to ensure that your vital applications always work. The Vertiv™ SmartCloset™ has a full suite of service offerings to help protect your investment and your business.



Assembly and Installation Required

Why piece together products by yourself when you can find a readily available solution that has already been curated by industry experts?

Options for any budget



Best practice

Entry

- Enclosed 4-Post Rack
- 2700 W/3000 VA 230 VAC System
- Line-Interactive UPS (VRLA)
- Vertical PDU on select models
- Environmental sensor on select models

Best value

Value

- Enclosed 4-Post Rack
- 2700 W/3000 VA 230 VAC System Rating
- Online-Double Conversion UPS (VRLA)
- Vertical PDU on select models

Best performance

Premium

- Enclosed 4-Post Rack
- 2700 W/3000 VA 230 VAC System
- Online-Double Conversion UPS (Lithium-Ion)
- Vertical PDU on select models
- Environmental sensor on select models

Vertiv™ VR Rack

Each Vertiv™ SmartCloset™ includes a Vertiv VR Rack. The rack is designed to work with a wide variety of equipment including servers, storage, switches, routers, and other devices.

Each 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.
- 2 full height rack PDU Mounting / cable management brackets (one per side).
- Low profile casters and leveling feet.
- Bypass 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.

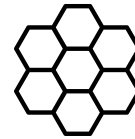


Scan to learn more



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.

Cable management accessories

Each Vertiv™ SmartCloset™ includes cable management accessories to aid in optimal organization for efficient operation and increased reliability.

Velcro straps



Part number: VRA1005
Quantity: (10)

Vertical cable managers



Part number: VRA1014
Quantity: (2)

Optional rack accessories

Blanking panels

A frequently overlooked component in air flow management, blanking panels allow you to close unused U space within the rack while promoting proper airflow to IT equipment.

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)

Door locks

Locking rack handle for increased security.

Part Number	Description
VRA6023	Combination Lock Handle (Qty. 2)



VRA6023

Cable pass through brush kit

Part Number	Description
VRA2006	Cable Pass Through Brush Kit for Top Panel (Qty. 8)



VRA2006



Scan to find
other accessories

Vertiv offers a comprehensive portfolio of rack accessories for cable management, airflow management, blanking panels, mounting, and physical security.

UPS battery backup

Each Vertiv™ SmartCloset™ includes a network and server grade UPS and network card for power protection and remote management. Choose one from the following options:

Line-interactive UPS

- Surge protection
- Battery backup
- Automatic voltage regulation
- Network Card (RDU 120)
- 4-6ms transfer-time to battery

Vertiv™ EDGE

3 kVA 230 VAC



Network Card Included
(Vertiv™ IntelliSlot™ RDU120)
Scalable Runtime Supported

Online double-conversion UPS

- Surge protection
- Battery backup
- Automatic voltage regulation
- Network Card (RDU 120)
- + Zero transfer-time to battery
- + Frequency Regulation

Vertiv™ Liebert® GXT5 Lithium-Ion

3 kVA 230 VAC



Network Card Included
(Vertiv™ IntelliSlot™ RDU120)
Scalable Runtime Supported

Vertiv™ Liebert® GXE

3 kVA 230 VAC

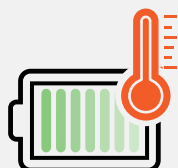


Network Card Included
(Vertiv™ Liebert® IntelliSlot™ RDU120)
Scalable Runtime Supported

Lithium-ion outperforms VRLA



Last up to
3x Longer



Resilient
To Heat



Higher Power
Density



Lower
TCO

Scan here to
learn more about
lithium-ion UPS



Power distribution


Select Vertiv™ SmartCloset™ models include a rack PDU to provide reliable power distribution and enable remote monitoring with automated alerts. Choose one from the following options:

Monitored PDU

- Upgradeable Intelligence
- Remote Monitoring & Metering
- Alarms (SNMP, email, SMS)

Part Number: **VP4G20AD**

Vertical, 230 VAC 16A




IEC C13 18 outlets
IEC C19 2 outlets

Switched PDU

- Upgradeable Intelligence
- Remote Monitoring & Metering
- Alarms (SNMP, email, SMS)
- + Remote Outlet Control (on, off, reboot)
- + Programmable Power Sequencing

Part Number: **VP5G20AG**

Vertical, 230 VAC 16A





U-Lock IEC C13 21 Outlets
U-Lock IEC C19 3 Outlets

Additional options

Other PDUs can be purchased separately. Vertiv offers a complete portfolio of rack PDUs stocked and readily available for any application.

- Basic
- Metered
- Monitored
- Switched





Scan here to use our PDU finder



Environmental monitoring

Vertiv™ SmartCloset™ models with a Switched PDU also include an Environmental Sensor that monitors temperature, humidity, and dew point.

Part Number: **GTHD**

Free power management software

Vertiv™ Power Insight



Scan for details

Vertiv™ Power Insight is a web-based solution for managing and monitoring up to 100 Vertiv™ UPSs and Vertiv™ rPDUs that provides a quick way to safely shutdown IT devices based on user-configured parameters.

Easy to connect and control

- Free download from [Vertiv.com](https://www.vertiv.com)
- On-premise and remote UPS and rPDU monitoring for 100 devices with notification and control for Network based devices.
- Auto-discovery of Vertiv™ Liebert® devices for ease of installation and configuration.

Intelligently controlled shutdown

- Automatic Shutdown protection for physical and virtual servers.
- VMWare vCenter / vSphere Integration out of the box for virtual compute management.
- Sequential server shutdown function to extend runtime for the most critical loads.

Single pane of glass view

- Dashboard views of key data points such as capacity load percentage, output current, battery percentage charge and battery time remaining.
- Alarm views with data that can be sorted or filtered.
- Alarm notifications via email, SMS and on-screen icons.
- Summarized data of individual devices.

Comprehensive service support for critical systems

Power assurance & power emergency packages

Providing more than the standard warranty and extension program, these five-year protection programs are valid for single-phase UPS units up to 3 kVA (Power Emergency) and higher than 3 kVA (Power Assurance). Purchased within six months from the equipment purchase date, the programs include:

- Advance replacement or repair of faulty unit within eight working hours of incident ticket acknowledgement meaning a maximum of two business days after claim.
- 100% coverage of electronic parts and failed batteries excluding battery misuse and/or reduced autonomy.
- Free shipping from the following European countries: Austria, Belgium, Croatia, Czech Republic, France, Germany, Ireland, Italy, Luxembourg, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, The Netherlands, Turkey, and United Kingdom.
- 24x7 access to professional helpline.
- One Preventive Maintenance visit after the third year performed by a Vertiv technician (Power Assurance only).
- Preventive Monitoring and Diagnostic Service purchasing the premier version of the package.
- Possibility to be renewed achieving a total of 10 years' coverage.

Installation and start-up services

Installation and Start-up Services provide on-site technical support for installation and start-up of your UPS or battery cabinet, ensuring you get up and running as quickly as possible.

SmartCloset SKU	UPS, rPDU in the bundle	5yr coverage: Power emergency/assurance + PDU distribution emergency		SmartCloset installation	SmartCloset start-up	
		UPS	rPDU		START UP 8X5	START UP 24x7
VSC42EX30PLANN	EDGE-3000IRT2UXL	RUPS-PE5-005	n/a	PS-VSC-INST-8X5	PS-VSC-VALUE-ST8X5	PS-VSC-VALUE-ST24X7
VSC42EX30PLAMV	EDGE-3000IRT2UXL, VP4G20AD	RUPS-PE5-005	RPDU-DE5R-004	PS-VSC-INST-8X5	PS-VSC-VALUE-ST8X5	PS-VSC-VALUE-ST24X7
VSC42EX30PLASV	EDGE-3000IRT2UXL, VP5G20AG	RUPS-PE5-005	RPDU-DE5R-006	PS-VSC-INST-8X5	PS-VSC-VALUE-ST8X5	PS-VSC-VALUE-ST24X7
VSC42EX30GLANN	GXE3-3000IRT2UXL	RUPS-PE5-004	n/a	PS-VSC-INST-8X5	PS-VSC-ENTRY-ST8X5	PS-VSC-ENTRY-ST24X7
VSC42EX30GLAMV	GXE3-3000IRT2UXL, VP4G20AD	RUPS-PE5-004	RPDU-DE5R-004	PS-VSC-INST-8X5	PS-VSC-ENTRY-ST8X5	PS-VSC-ENTRY-ST24X7
VSC42EX30GLASV	GXE3-3000IRT2UXL, VP5G20AG	RUPS-PE5-004	RPDU-DE5R-006	PS-VSC-INST-8X5	PS-VSC-ENTRY-ST8X5	PS-VSC-ENTRY-ST24X7
VSC42EX30GLINN	GXT5LI-3000IRT2UXL	RUPS-PE5-006	n/a	PS-VSC-INST-8X5	PS-VSC-PREM-ST8X5	PS-VSC-PREM-ST24X7
VSC42EX30GLIMV	GXT5LI-3000IRT2UXL, VP4G20AD	RUPS-PE5-006	RPDU-DE5R-004	PS-VSC-INST-8X5	PS-VSC-PREM-ST8X5	PS-VSC-PREM-ST24X7
VSC42EX30GLISV	GXT5LI-3000IRT2UXL, VP5G20AG	RUPS-PE5-006	RPDU-DE5R-006	PS-VSC-INST-8X5	PS-VSC-PREM-ST8X5	PS-VSC-PREM-ST24X7

Other accessories

Optional Accessories below are not included but may be purchased separately.

Vertiv™ PowerIT

Delivers redundant power to single-corded devices by automatically detecting loss of primary power and switching to the alternative power source in 4-8ms. Multiple configurations are available.

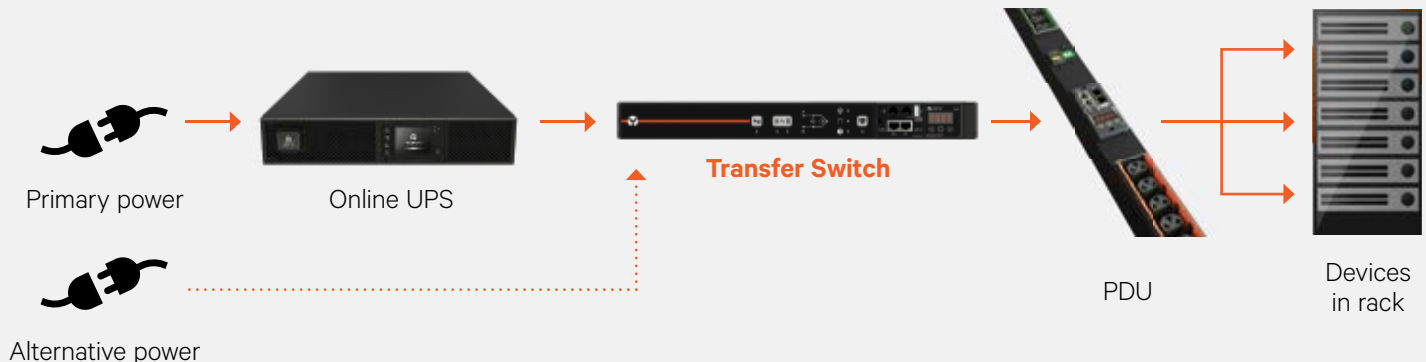


Model number **VA4U21A0** is compatible with 3000 VA 240 VAC SmartCloset models



Scan for details

Recommended configuration



Vertiv™ Liebert® MicroPOD

Maintenance bypass and power distribution accessory allows manual transfer of connected equipment to utility power to enable scheduled maintenance without power disruption.

Zero-U design

- Mounts to rear of Vertiv™ EDGE single phase UPS, Vertiv™ Liebert® GXE or Vertiv™ Liebert® GXT5 UPS (3000 VA and below)



Model number **MP2-220L** is compatible with 3000 VA 230 VAC SmartCloset models



Scan for details

Technical specifications - entry models

Network closet bundle SKUs	VSC42EX30PLANN	VSC42EX30PLAMV	VSC42EX30PLASV
System specifications			
W x D x H, mm (in)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)
Weight, kg (lbs)	159 (350)	166.5 (367)	168 (371)
Static load / Dynamic load, kg (lbs)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)
U-Space (Usable)	40U	40U	40U
rPDU type	N/A	Monitored	Switched
Usable outlets, (rPDU)	N/A	18 x IEC60320 C13 2 x IEC60320 C19	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19
UPS Topology	Line interactive	Line interactive	Line interactive
UPS battery chemistry	VRLA	VRLA	VRLA
Usable outlets, (UPS)	3 + 3 x IEC60320 C13 1 x IEC60320 C19	3 + 3 x IEC60320 C13 1 x IEC60320-C19	3 + 3 x IEC60320 C13 1 x IEC60320-C19
Environmental Monitoring	N/A	N/A	Temperature Humidity Dew Point
Power rating, VA	3000	3000	3000
Max IT load, watts	2700	2700	2700
Bill of material			
Rack	VR3100	VR3100	VR3100
UPS	EDGE-3000IRT2UXL	EDGE-3000IRT2UXL	EDGE-3000IRT2UXL
rPDU	N/A	VP4G20AD	VP5G20AG
Monitoring	RDU 120	RDU 120	RDU 120
Sensors	N/A	N/A	GTHD
Rack accessories	VRA1014 VRA1005	VRA1014 VRA1005	VRA1014 VRA1005

Technical specifications - value models

Network closet bundle SKUs	VSC42EX30GLANN	VSC42EX30GLAMV	VSC42EX30GLASV
System specifications			
W x D x H, mm (in)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)
Weight, kg (lbs)	157 (346)	164 (362)	166 (366)
Static load / Dynamic load, kg (lbs)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)
U-Space (Usable)	40U	40U	40U
rPDU type	N/A	Monitored	Switched
Usable Outlets, (rPDU)	N/A	18 x IEC60320 C13 2 x IEC60320 C19	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19
UPS topology	Online double-conversion	Online double-conversion	Online double-conversion
UPS battery chemistry	VRLA	VRLA	VRLA
Usable outlets, (UPS)	8 x IEC60320-C13 1 x IEC60320-C19	8 x IEC60320-C13 1 x IEC60230-C19	8 x IEC60320-C13 1 x IEC60230-C19
Environmental Monitoring	N/A	N/A	Temperature Humidity Dew Point
Power rating, VA	3000	3000	3000
Max IT load, W	2700	2700	2700
Bill of material			
Rack	VR3100	VR3100	VR3100
UPS	GXE3-3000IRT2UXL	GXE3-3000IRT2UXL	GXE3-3000IRT2UXL
rPDU	N/A	VP4G20AD	VP5G20AG
Monitoring	RDU 120	RDU 120	RDU 120
Sensors	N/A	N/A	GTHD
Rack accessories	VRA1014 VRA1005	VRA1014 VRA1005	VRA1014 VRA1005

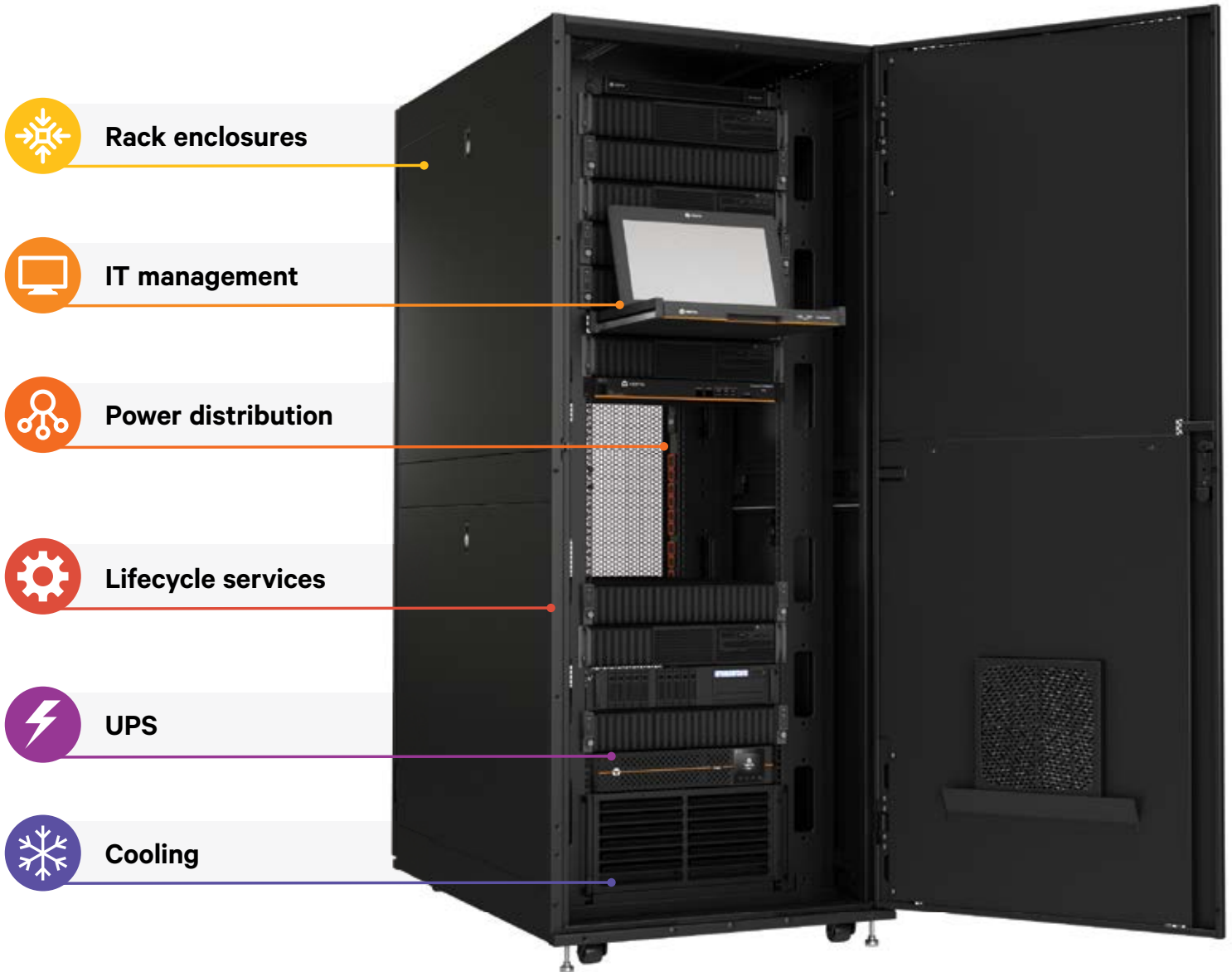
Technical specifications - premium models

Network closet bundle SKUs	VSC42EX30GLINN	VSC42EX30GLIMV	VSC42EX30GLISV
System specifications			
W x D x H, mm (in)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)	600 x 1100 x 2000 (23.6 x 43.3 x 78.6)
Weight, kg (lbs)	149 (329)	156 (345)	158 (349)
Static load / Dynamic load, kg (lbs)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)	1360 (3000) / 1022 (2250)
U-Space (Usable)	40U	40U	40U
rPDU type	N/A	Monitored	Switched
Usable Outlets, (rPDU)	N/A	18 x IEC60320 C13 2 x IEC60320 C19	21 x U-Lock IEC60320 C13 3 x U-Lock IEC60320 C19
UPS topology	Online double-conversion	Online double-conversion	Online double-conversion
UPS battery chemistry	Lithium-ion	Lithium-ion	Lithium-ion
Usable outlets, (UPS)	6 x IEC60320-C13 1 x IEC60320-C19	6 x IEC60320-C13 1 x IEC60320-C19	6 x IEC60320-C13 1 x IEC60320-C19
Environmental Monitoring	N/A	N/A	Temperature Humidity Dew Point
Power rating, VA	3000	3000	3000
Max IT load, W	2700	2700	2700
Bill of material			
Rack	VR3100	VR3100	VR3100
UPS	GXT5LI-3000IRT2UXL	GXT5LI-3000IRT2UXL	GXT5LI-3000IRT2UXL
rPDU	N/A	VP4G20AD	VP5G20AG
Monitoring	RDU 120	RDU 120	RDU 120
Sensors	N/A	N/A	GTHD
Rack accessories	VRA1014 VRA1005	VRA1014 VRA1005	VRA1014 VRA1005

Vertiv™ Edge infrastructure one-stop shop

Vertiv offers an unmatched portfolio of reliable infrastructure from trusted brands to simplify edge deployments.

Liebert® | Vertiv™ PowerIT | Avocent®



Want to learn more?



Contact us: AskTheExpert@Vertiv.com

Scan to see
our edge portfolio



