

Vertiv™ Integrated Rack Solution

Reference Design #16

Essential Commercial and Office 42U 3 Rack Row 20kVA Capacity

Solution Requirements

Physical Protection

- Safeguard network gear from environmental threats and unauthorized access.
- Prevent dust, debris, and moisture from damaging equipment.

Power Protection

- Prevent business interruption caused by power loss or power fluctuations with battery backup technology.
- Achieve maximum uptime with redundant gear protecting critical application during an unexpected equipment failure.

On-Site Management

- Simplify deployment and support future growth with infrastructure designed for total compatibility and scalability.
- Recover business critical floor space with IT infrastructure designed with tight spaces in mind.
- Streamline deployment and get critical applications up and running faster with on-site services and support.

Remote Management

- Maintain peace of mind one or more remote sites are up and running with real-time notifications.
- Save time by remotely accessing and rebooting unresponsive network equipment without an on-site visit.

Site-Maintenance

- Ensure continuity of business with remote access and management of critical systems.
- Maximize your investment with on-site equipment maintenance and extended warranty protection.

Thermal Management

- Cool critical IT gear in high density or high temperature environments.

Form Factor: Row

Objective: Support network connectivity in commercial and office environments.

Recommended Environment

Indoor unsecure environment with limited climate control providing minimal air conditioning for human comfort where temperature, humidity, and air quality control challenges put IT equipment at risk of damage from uncontrolled heat, dust, and moisture.

- Converted Closet
- Converted Room
- Warehouse
- Retail Stock Room
- Distribution Center
- Factory



Integrated Solution Summary

Capacity	20 kVA / 20 kW
Rack(s)	Qty. 3 - 42U X 600 X 1200 (HXW XD)
Power Protection	Online Double Conversion
Redundancy	N+1 Backup Power, 2N Rack Power Distribution
Power Distribution	208 Volt Three Phase; 30 Amp
Cooling	Optional Upgrade
Containment	Blanking Panels
Monitoring	Included
Services	Included
Warranty	3 years
Software	Included

Integrated Solution Includes

Qty	Product Summary	SKU	Description
3	Rack	VR3300	VR3300 - 42U x 600mm x 1200mm (HxWxD) Vertiv™ VR Rack
3	Cable and Airflow Management	VRA1000, VRA1008, VRA2000	VR Rack Accessories utilized to seamlessly integrate communications and power cables in to the cabinet while maintaining proper airflow separation of equipment intake and exhaust.
1	UPS	GXT5-20KMVRT11UXLN	The Vertiv™ Liebert® GXT5 UPS protects critical equipment against outages and every type of power disturbance. This 20kVA online double conversion UPS offers continuous power conditioning in centralized and edge locations. With unity power factor (1.0), it allows more connected loads saving space and costs. This tower/rack mount UPS has a built-in Vertiv™ RDU101 communications card for remote monitoring to help you make more informed decisions and faster event resolution.
1	UPS COMM Card	RDU101	The interface card delivers SNMP, Telnet and web-management capability for enhanced communications and control of Liebert® UPS. The card manages a wide range of operating parameters, alarms and notifications, transmitting data over the network. Card supports environmental sensors
6	Rack PDU	UU30009L, FS1N001	Vertiv Geist U-rPDU, Switched Outlet Level Monitoring EC, 11.0kW, Variable Power Configuration, Vertical,(30)
1	Warranty and Service	PEPGXT15-20KLF	5 years of coverage with guaranteed 4-hour on-site emergency response, 7 days/week, 24 hours/day. Access to the Customer Resolution Center through Vertiv's online portal. Includes parts coverage of internal batteries, communications card, TDU, and POD, if ordered together with unit and for 5 years after installation. Includes LIFE™ services for continuous remote monitoring, expert analysis and proactive response.

*Additional accessories and components are required and included in the integrated solution. Contact a Vertiv Partner for the complete bill of materials, to receive pricing, and to purchase.

Recommended Upgrades

Qty	Product Summary	Model #:	Description
1	Warranty and Service	RUPS-PAP5-007	Power Assurance Premier Package provides 5 years of coverage for electronic parts and batteries, advanced replacement, plus one preventative maintenance after year 3. Also included: Remote diagnostic and preventive monitoring with Vertiv™ LIFE™ Services.
1	Warranty and Service	PS-RUPS-ST247-007	UPS Start-Up service 24 hours/day x 7 days/week

Explore all **Commercial and Office** form factors and power configurations available, **Endpoint, Rack, and Row** by visiting the **Solution Builder** on **Vertiv.com** or by contacting a **Vertiv Sales Representative**.