

Vertiv™ Integrated Rack Solution

Reference Design #7

Essential Conditioned and Controlled 42U Rack 5kVA 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.

Form Factor: Rack

Objective: Support critical IT applications in high density environments designed specifically for extreme computing requirements.

Recommended Environment

Climate-controlled physically secure environment with power, air conditioning and airflow management in place providing temperature and humidity optimization specifically designed for IT equipment.

- Network Closet
- Enterprise Data Center
- Managed Hosting Facility
- Server Closet
- Colocation Data Center
- Cloud Data Center



Integrated Solution Summary

Capacity	4250 VA / 3825 W
Rack(s)	42U x 600mm x 1100mm (HxWxD)
Power Protection	Line Interactive UPS
Redundancy	N
Power Distribution	Basic 30A, 208V 0U vertical. 20 IEC C13 and 4 IEC C19 receptacles and a NEMA L6-30P input plug
Cooling	Optional Upgrade
Containment	Optional Upgrade
Monitoring	Optional Upgrade
Services	Optional Upgrade
Warranty	3 years
Software	Optional Upgrade

Integrated Solution Includes

Qty	Product Summary	SKU	Description
1	Rack	VR3100	VR3100 - 42U x 600mm x 1100mm (HxWxD) Vertiv™ VR Rack
1	UPS	PSI5-5000RT208	Vertiv™ Liebert® PSI5 UPS model PSI5-5000RT208
1	Rack PDU	VP7541	Basic Rack PDU VP7541 is a 30A, 208V 0U vertical. It has 20 IEC C13 and 4 IEC C19 receptacles and a NEMA L6-30P providing 4.9kW in power capacity. The VP7541 delivers reliable power distribution to critical IT equipment.

*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	IT Management	VRC100-Kit-NA	Vertiv™ VRC Rack Cooling is designed to satisfy cooling requirements for small server room, network closet, and edge applications up to 3500 watts per cabinet, the Vertiv™ VRC IT rack cooling unit packs powerful, scalable and energy-efficient cooling into a compact unit. It fits into most standard 19-inch network racks, freeing up valuable floor space. It is available in Self-contained or Split version to fit different building architectures.
1	Warranty and Service	1WEPSI5-5000	1-year Extended Warranty - This extends standard warranty by one year. Covers electronic parts and batteries.

Explore all **Commercial and Office** form factors and power configurations available, **Endpoint, Rack, and Row** by visiting the **Solution Builder** on [Vertiv.com](https://www.vertiv.com) or by contacting a **Vertiv Sales Representative**.