

## Benefits

- Protect critical infrastructure with battery back up power protection providing continuity of service during an unexpected power outage.
- Reduce deployment time with a complete infrastructure solution configured to integrate seamlessly with tool less cable management and airflow management accessories included.
- Easily integrate into your IT monitoring and management system with the included communication card, supporting information availability via SNMP and Telnet protocols.

## 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
- Server Closet

## Vertiv™ Integrated Rack Solution

## Reference Design #4

Vertiv™ Reference Design #4 provides an expertly crafted recommendation for a complete IT Infrastructure solution to reduce deployment time, protect critical infrastructure, and connect to your centralized IT monitoring. It is best deployed in a conditioned and controlled IT room or closet.

This Vertiv reference design consists of a rack, UPS, rack power distribution, and rack accessories to facilitate essential operation in your conditioned and controlled space. Recommendations are included for optional cooling that works with this reference design to ensure the best solution to fit your specific needs.

Reference Designs are a great starting point for easily configuring the perfect integrated IT infrastructure solution for your individual needs. Upgrade or swap out hardware, accessories, or add on software and services to customize the solution for your specific business needs.



### Integrated Solution Summary

<b>Capacity</b>	1500 VA / 1400 W
<b>Rack(s)</b>	42U x 600mm x 1100mm (HxWxD)
<b>Density Range</b>	up to 1400 W
<b>Power Protection</b>	Line Interactive UPS
<b>Redundancy</b>	N
<b>Power Distribution</b>	15A, 120V, basic rPDU
<b>Cooling</b>	Optional Upgrade
<b>Containment</b>	Blanking Panels
<b>Monitoring</b>	Included
<b>Services</b>	Included
<b>Warranty</b>	3 Years

**Contact a Vertiv Sales Representative or Distribution Partner today to help you configure the perfect integrated solution for your business needs.**

## Integrated Solution Includes:

Qty:	Product Summary	Model #:	Description:
1	Rack	VR3100	The Vertiv™ VR Rack supports a wide variety of equipment, including servers, storage, switches, routers, PDUs, UPSs, console port servers and KVM switches. Dimensions 42U x 600mm x 1100mm (HxWxD).
1	Cable and Air flow Management	VRA1000 VRA1008 VRA2000	Vertiv™ Cable management accessories including horizontal D-rings, toolless D-rings, and 1U toolless blanking panel to ensure proper airflow and minimize bypass air by installing blanking panels in the unused U space.
1	UPS	PSI5-1500RT120	Vertiv™ Liebert® PSI5 UPS model PSI5-1500RT120; 1500VA/1400W; 120VAC compact, Automatic Voltage Regulation (AVR) line-interactive UPS system designed especially for IT applications such as network closets and small data centers. Supports advanced pure sine wave output on battery to safeguard critical IT equipment and electronics. Provides reliable power protection for servers, critical nodes, network workstations, large network peripherals, network routers, bridges, and others.
1	UPS COMM Card	IS-UNITY-SNMP	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
1	Rack PDU	VP9562	rPDU, Basic Standard, 15A, 120V, 1.4kW, Horizontal, (10) NEMA 5-15R, 10ft power cord with 5-15P, Black Powder Coat.
1	Software	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.
1	Warranty and Service	PEPPSI-15005Y	Guaranteed 4-hour on-site emergency response, 7 days/week, 24 hours/day, within 150 miles of a Vertiv™ Service City. Includes parts coverage of internal batteries, communications card, TDU, and POD if selected.
1	IT Management	AV3108-001	The Vertiv™ Avocent® AutoView™ 3000 (AV3000) KVM over IP Switches provide local and remote management and control of up to 8 servers from a single console.

*\*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	Cooling	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.