

## Vertiv™ Integrated Rack Solution

## Reference Design #36

### Premier Conditioned and Controlled 42U Rack 3000VA 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.

#### Form Factor: Rack

**Objective:** Support critical IT applications in environments designed specifically for IT equipment.

#### 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.

- Converted Closet
- Server Closet
- Network Closet

#### Integrated Solution Summary

<b>Capacity</b>	3000VA/3000W
<b>Rack(s)</b>	42U x 600mm x 1100mm (HxWxD)
<b>Power Protection</b>	Line Interactive UPS
<b>Redundancy</b>	N
<b>Power Distribution</b>	rPDU, Monitored Unit Level EC, 16A, 230V, 3.6kW, Vertical, (18) IEC C13, (2) IEC C19, C20, Black Powder Coat.
<b>Cooling</b>	Optional Upgrade
<b>Containment</b>	Blanking Panels
<b>Monitoring</b>	Included
<b>Services</b>	Included
<b>Warranty</b>	3 years
<b>Software</b>	Included

## Integrated Solution Includes

Qty	Product Summary	SKU	Description
1	Rack	VR3300	VR3300 - 42U x 600mm x 1200mm (HxWxD) Vertiv™ VR Rack
1	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	EDGE-3000IRT2UXL	Vertiv™ EDGE UPS 3000VA/2700W. Manageable and efficient line interactive UPS, with with controllable outlets and extended runtime options. Compact 2U rack mount design for Edge applications and offering up to 6 minutes of runtime when loaded to 100%.
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	VP8959EU3	rPDU, Switched Unit Level EC, 16A, 230V, 3.6kW, Vertical, (21) Locking IEC C13, (3) Locking IEC C19, C20, Black Powder Coat
1	IT Management	AV3108, ACS8008SAC-404	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. The Vertiv™ Avocent® ACS8000 Serial Console System delivers secure in-band and out-of-band visibility and control to downstream equipment in enterprise data centers, as well as cloud and colocation facilities.
1	Warranty and Service	RUPS-PE5-005	Power Emergency Premier Package provides 5 years of coverage for electronic parts and batteries, advanced replacement.
1	Software	DSV4.5-BASE DSV4.5-100DEV 1YRSLV-100DEV	DSView delivers secured web-browser enabled sessions of on-network infrastructure controls. As an IT integrated solution, DSView delivers secured web-browser enabled sessions to Virtual Machines.

\*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	ACS8008-EU-DAC-400	The Vertiv™ Avocent® ACS8000 Serial Console System delivers secure in-band and out-of-band visibility and control to downstream equipment in enterprise data centers, as well as cloud and colocation facilities. This serial console system serves as a secure management gateway and single point of entry keeping you connected to critical IT equipment even in the event of partial or total data center outages. Includes the upgraded Cellular capability.
1	Warranty and Service	RUPS-PEP5-005	Power Emergency Premier Package provides 5 years of coverage for electronic parts and batteries, advanced replacement. Also included: Remote diagnostic and preventive monitoring with Vertiv™ LIFE™ Services.
1	Warranty and Service	PS-RUPS-ST85-005	UPS Start-Up service 8 hours/day x 5 days/week
1	Software	ENVA-SERVER ENVA-DEV-100 ENVA-STUP-BSC ENVA-SERVER-SA ENVA-SA-100	Vertiv™ Environet™ Alert provides industry companies with critical facility monitoring software that is affordable and easy to use. This solution delivers superior monitoring, alerting, trending and data organization capabilities for companies in such verticals as healthcare, financial services, government and more, helping them protect and grow their business. Customers get monitoring, alerting and trending at a price that™s right for their business.

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**.