

## Vertiv™ Integrated Rack Solution

## Reference Design #4

### Essential Conditioned and Controlled 42U Rack 1500VA 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 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>           | 1500 VA / 1350 W  |
| <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> | Basic 15A, 120V OU vertical. 14 NEMA 5-20R receptacles and 5-15P input plug |
| <b>Cooling</b>            | Optional Upgrade  |
| <b>Containment</b>        | Optional Upgrade  |
| <b>Monitoring</b>         | Optional Upgrade  |
| <b>Services</b>           | Optional Upgrade  |
| <b>Warranty</b>           | 3 years   |
| <b>Software</b>           | 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             | PSI5-1500RT120 | Vertiv™ EDGE UPS 3000VA/2700W. Manageable and efficient line interactive sinewave UPS, with with controllable outlets and extended runtime options. Compact 2U rack mount design for Edge applications and offering up to 6 minutes when 100% loaded |
| 1   | Rack PDU        | VP9567         | Basic Rack PDU VP9567 is a 15A, 120V 0U vertical. It has 14 NEMA 5-20R receptacles and a NEMA 5-15P providing 1.4kW in power capacity. The VP9567 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   | Rack 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. |
| 1   | Warranty and Service | 1WEPSI5-1500  | 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**.