

## 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.

##### Power Protection:

- Prevent business interruption caused by power loss or power fluctuations with battery backup technology.

##### On-Site Management:

- Simplify deployment and support future growth with infrastructure designed for total compatibility and scalability.

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



#### Integrated Solution Summary

|                           |  |
|---------------------------|--|
| <b>Capacity</b>           | 4250 VA / 3825 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 30A, 208V OU vertical. 20 IEC C13 and 4 IEC C19 receptacles and a NEMA L6-30P 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   |

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

## 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; 4250VA/3825W; 208VAC 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    | 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.  |