



VERTIV™ GEIST™ RACK PDUs

Power Perfectly Configured for  
Your IT Application



## Enhanced Performance and Management of Dynamic IT Spaces

### Enhance Business Agility, Efficiency and Availability with Vertiv™ Rack PDUs

Data center investments are sizable, and each component of the power chain from the facility entrance to the rack power distribution is crucial to enabling equipment availability. Enable your IT investment and your business to stay protected with Vertiv Geist family of Rack PDU (rPDU) offerings.

The next generation of rPDUs provides the industry's highest availability and most intelligent power monitoring and distribution — complete with simplified energy management, a future-proof design, and cost savings that ensure your data center and your business — can operate at peak efficiency.

Our complete portfolio of rPDUs offers value beyond power distribution. They easily integrate to your data center infrastructure management systems to make your organization more resilient, enhance your business and provide the technological support you need to grow your company.



**POWER**

**MONITOR**

**INTEGRATE**

### Basic rPDUs

Vertiv Geist™ Basic Rack PDUs (rPDUs) offer reliable, space saving, and cost-effective power distribution at the rack. Our Basic rPDUs meet a broad range of power distribution requirements for all IT applications.

### Intelligent rPDUs

Vertiv Geist offers a wide range of monitored and switched rPDUs equipped with a network interface to allow for remote monitoring, management, and automated alerts. Vertiv Geist rPDUs offer important insights on how to improve data center energy efficiency while enabling you to prevent downtime, providing notifications when user-specified thresholds for power and environmental conditions are breached.

- **Monitored:** Monitor power usage remotely with access to the rPDU's current, voltage, real power, apparent power, power factor and kilowatt hours. Available in Unit-Level or Outlet-Level monitoring configurations.
- **Switched:** All the benefits of a Monitored rPDU plus the ability to remotely turn on, turn off, or reboot power at each outlet. Available in Unit-Level or Outlet-Level monitoring configurations.



### Outlet Control

Address unresponsive equipment or increase runtime of critical equipment upon power failure with outlet-level control.

### High Temperature Grade

Up to 60°C working ambient variants for high temperature environments.



### Upgradable & Hot-Swappable

Easily update your rPDU's monitoring capabilities to adapt to latest technologies and changing business needs.

### Network Interface

Access the rPDU remotely to monitor power consumption and configure user-defined alert notifications to prevent downtime.



### Environmental Monitoring

Proactively monitor environmental conditions within the cabinet to ensure optimal operating conditions. A variety of sensors are available to meet your needs including temperature, humidity, airflow, door position, flood detection and more.

### Fault-Tolerant Daisy Chaining

Simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs.



### Alternating Outlets

Simplify circuit/phase balancing and cable management with color coded alternating outlets.

### Visible Light Communication (VLC)

Optically transmit data from the rPDU display to your mobile device using VLC for quick and secure access to unit and power consumption data.



### Vertiv Intelligence Director

Daisy-chain up to 50 devices on a single IP address. Reduce deployment time with self-configuration of downstream devices.

### Small Footprint and Low Profile Breakers

Compact size to install in tight spaces.



### U-Lock

Secure power cords and avoid accidental disconnections. Receptacles are color-coded by circuit for instant identification.



### Available Features

Built-to-Order units provide additional features, colored chassis options, and varying power and receptacle configurations. Contact your Vertiv sales team for more information.

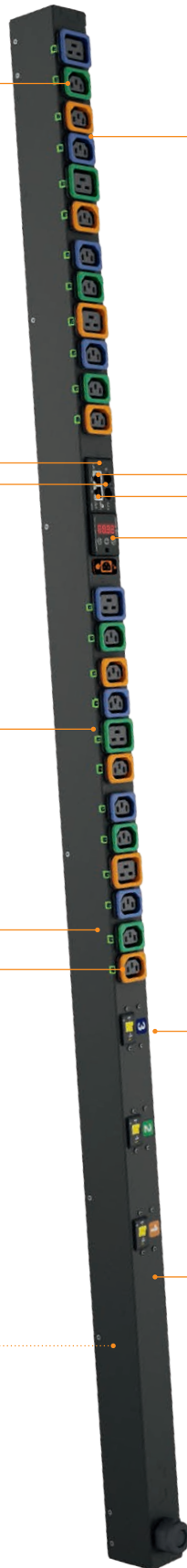
### Input Power Monitoring 1% accuracy

Allows data center managers to accurately reconcile power usage with 1% monitoring accuracy tested to ANSI & IEC standards.



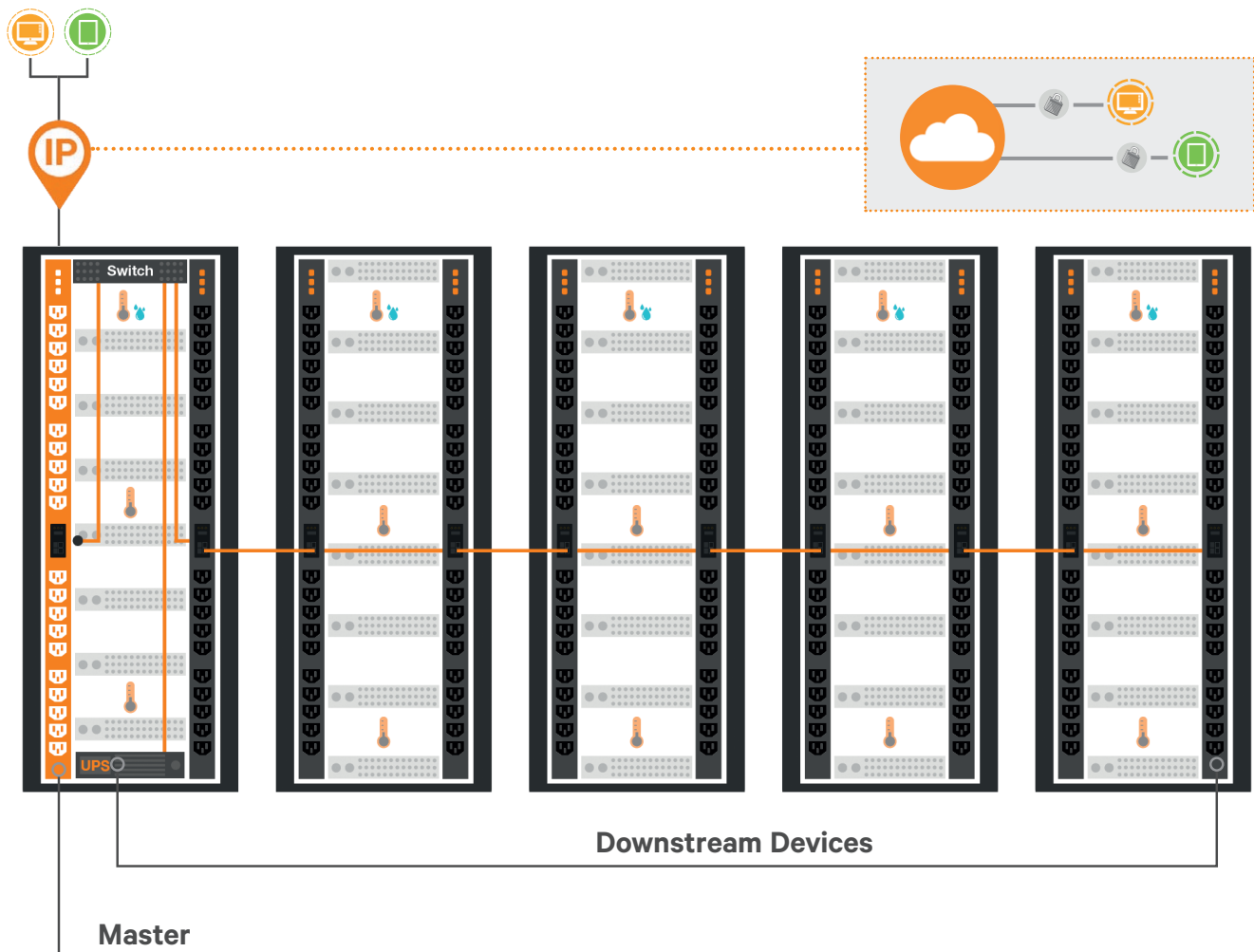
### Pre-Integrated Rack PDUs

Save time and money by pre-integrating Vertiv Geist rPDUs with the VR Rack. Contact your local sales representative to get started.



## Vertiv Intelligence Director

### PLUG-N-PLAY DATA CENTER INFRASTRUCTURE ENABLING LIGHTNING FAST DEPLOYMENTS



## The next generation of Vertiv™ Geist™ rPDUs offer enhanced monitoring and simplified networking with the introduction of Vertiv Intelligence Director.

\*One unit per group is required to have an IMD-03E or IMD-3E installed. The IMD-3E comes standard with Switched and Outlet Level Monitored units. An IMD-03EV can be purchased separately to upgrade a Monitored - Unit Level unit.

\*\*Vertiv Intelligence Director compatible with Vertiv Liebert® GXT™4 UPS product line.

- On Monitored\* and Switched units, users have the ability to daisy chain up to 50 devices with a single IP address.
- Access data from all downstream rPDU and UPS\*\* devices from one master rPDU.
- Users are able to aggregate data by grouping devices by rack or row.
- Downstream devices self-configure, significantly reducing deployment time.

• Securely transmit device data to the Vertiv Intelligence cloud for anytime access to critical infrastructure information.

## HOW IT WORKS

1. Designate a Switched or Monitored unit with an IMD-3E or IMD-03E installed as the master unit. The IMD-3E comes standard with Switched and Outlet Level Monitored units.
2. Connect up to 50 devices through a network switch or by daisy chaining the rPDUs to the master unit.
3. Securely access downstream device data via SNMP or the master unit user interface through a single IP address and bring the consolidated data in your private cloud.
4. Bring your infrastructure data together with the option to connect to the Vertiv Intelligence cloud platform.

## Rack PDUs Product Chart

MODEL	rPDU TYPE	rPDU SUB-TYPE	HORIZONTAL / VERTICAL	VOLTS	AMPS	MAX KW	PLUG TYPE	RECEPTACLE QTY/ TYPE	MAX OPERATING TEMP*	VI DIRECTOR
VP9562	Basic	Standard	H	120V	15A	1.4kW	5-15P	(10) 5-15R	45°C	N/A
VP9563	Basic	Standard	H	120V	20A	1.9kW	5-20P	(10) 5-20R	45°C	N/A
VP9571A	Basic	Standard	H	208V	30A	4.9kW	L6-30P	(12) C13	45°C	N/A
VP7541	Basic	Standard	V	208V	30A	4.9kW	L6-30P	(20) C13 / (4) C19	45°C	N/A
VP9567	Basic	Standard	V	120V	15A	1.4kW	5-15P	(14) 5-15R	45°C	N/A
VP8841	Monitored	Unit Level	V	208V	30A	4.9kW	L6-30P	(36) C13 / (6) C19	60°C	IMD Upgrade**
VP8832	Monitored	Unit Level	V	120V	30A	2.8kW	L5-30P	(24) 5-20R	60°C	IMD Upgrade**
VP8830	Monitored	Unit Level	V	120V	20A	1.9kW	L5-20P	(24) 5-20R	60°C	IMD Upgrade**
VP8865	Monitored	Unit Level	V	120/208V WYE	30A	8.6kW	L21-30P	(36) C13 / (6) C19 / (2) 5-20R	60°C	IMD Upgrade**
VP8866	Monitored	Unit Level	V	208V DELTA	60A	17.2kW	3P+E (IP44)	(12) C13 / (12) C19	60°C	IMD Upgrade**
VP8867	Monitored	Unit Level	V	208V DELTA	60A	17.2kW	3P+E (IP44)	(30) C13	60°C	IMD Upgrade**
VP7811B	Monitored	Unit Level	H	208V	30A	4.9kW	L6-30P	(12) C13 / (4) C19	60°C	IMD Upgrade**
VP8868	Monitored	Unit Level	V	208V DELTA	35A	10.0kW	3P+E CA	(36) C13 / (6) C19	60°C	IMD Upgrade**
VP4551V	Monitored	Outlet Level	V	208V DELTA	60A	17.2kW	3P+E (IP67)	(12) U-Lock C13 / (12) U-Lock C19	60°C	YES
VP8941	Switched	Unit Level Monitoring	V	208V	30A	4.9kW	L6-30P	(20) U-Lock C13 / (4) U-Lock C19	60°C	YES
VP8932	Switched	Unit Level Monitoring	V	120V	30A	2.8kW	L5-30P	(24) 5-20R	60°C	YES
VP8930	Switched	Unit Level Monitoring	V	120V	20A	1.9kW	L5-20P	(24) 5-20R	60°C	YES
VP8965	Switched	Unit Level Monitoring	V	120/208V WYE	30A	8.6kW	L21-30P	(18) U-Lock C13 / (6) U-Lock C19	60°C	YES
VP8959NA3	Switched	Unit Level Monitoring	V	208V	20A	3.3kW	L6-20P	(21) U-Lock C13 / (3) U-Lock C19	60°C	YES
VP8641	Switched	Outlet Level Monitoring	V	208V	30A	4.9kW	L6-30P	(20) U-Lock C13 / (4) U-Lock C19	60°C	YES
VP5870V	Switched	Outlet Level Monitoring	V	208V	30A	4.9kW	L6-30P	(30) U-Lock C13 / (6) U-Lock C19	60°C	YES
VP5665V	Switched	Outlet Level Monitoring	V	208V DELTA	30A	8.6kW	L15-30P	(30) U-Lock C13 / (6) U-Lock C19	60°C	YES

\*Product chart shows limited spec information. For complete product details visit [VertivCo.com](http://VertivCo.com).

\*See data sheet for maximum operating temperature requirements.

\*\*Vertiv™ Intelligence Director requires one unit per group to have an IMD-03E or IMD-3E installed. The IMD-3E comes standard with Switched and Outlet Level Monitored units. An IMD-03EV can be purchased separately to upgrade a Monitored-Unit Level unit.

## At a Glance

- Simple installation and maintenance; ability to ship pre-installed in racks.
- Improve Power Usage Effectiveness with increased visibility on power usage.
- Reduce cost of ownership while maximizing ROI.
- Software supported mass firmware updates, backup and configuration.
- Reduce idle energy costs with bistable relays on Switched units.
- Manage and optimize power capacity with remote monitoring.
- Expert support with Distribution Assurance Package.
- Built-to-Order options available for additional configuration needs.
- Improve uptime with Monitored and Switched rPDUs.

### Color

Black powder coat finish.

Red, Orange, Yellow, Green, Blue, White available on Built-to-Order units.

### Warranty

5-Year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years.

### Certifications

- RoHS
- UL & c-UL Listed 60950
- FCC Part 15 Class A Conformance

## How You Benefit from Vertiv™ Rack PDUs

### DESIGNED FOR HIGH AVAILABILITY



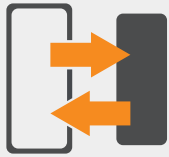
- High operating temperature rating to accommodate increased rack densities.
- Secure cords with U-Lock outlets to prevent accidental dislodging.
- Hot-swappable and upgradeable monitoring device allows users to upgrade as technology advances and business needs change.

### OPTIMIZED ENERGY AND CAPACITY MANAGEMENT



- Metering of key electrical parameters with +/-1% accuracy provides highly accurate comprehensive power monitoring.
- Lowest idle power consumption in the industry.
- Power and environmental trend reports through several Vertiv DCIM solutions to provide visibility and control of energy usage by IT equipment.

### SIMPLIFIED INTEGRATION WITH MANAGEMENT TOOLS



- Integration with Vertiv software stack to simplify implementation and change management translating to real cost savings.
- IPv4 and IPv6 support.
- Support for all major management, authentication and encryption standards and protocols to fully integrate with higher level data center management software provided by Vertiv or third parties.

### COMPATIBILITY WITH RACKS AND POWER CHAIN



- Compatible with all industry racks and can be preinstalled in Vertiv racks to reduce installation costs and implementation time.
- Available in all major global voltage and amperage combinations typically used in data center or remote sites.
- Easily integrate with Vertiv's full line of power products. A Vertiv expert can assist in selecting the right rPDU for your power chain needs.

### ENHANCED SECURITY FEATURES



- Visible Light Communication (VLC) for quick and secure access to unit and power consumption with the Vertiv rPDU Scanner mobile app.
- Together with Avocent® ACS VPN and Out-of-Band communication supports highest security communication for Edge applications.
- SNMPv3, SSH, HTTP(S) and IPv6 support.



## Ensure power system availability with expert support for Vertiv™ Geist™ rPDUs

**The Distribution Assurance Package combines market-leading rPDU technology with a five-year protection plan and the industry's premier service capability.**

Rack Power Distribution Units (rPDUs) are the last link in the power chain, ensuring delivery of critical power to IT loads. These critical components play a key role in data center infrastructure management, giving you access to rack-level power consumption and environmental information. Rack PDUs also allow you to directly control power to IT equipment for better capacity and power management. Having rPDUs that are properly installed and maintained is essential for critical system availability. However, your internal resources who are dealing with time and budget constraints cannot always give rPDUs the attention they need. Additionally, services that aren't provided by the original equipment manufacturer (OEM) may not be comprehensive or include the level of expertise required.

By choosing a bundled solution that combines market-leading rPDU technology with lifecycle services provided by the OEM, you simplify the management of your IT equipment.



### OUR DISTRIBUTION ASSURANCE PACKAGE FOR VERTIV GEIST RPDUS INCLUDES:

#### Startup and Installation

Factory-authorized Vertiv technicians handle rPDU installation and startup at your location. You'll enjoy the convenience and peace of mind that comes from having the experts do the job, and IT staff is free to attend to other tasks.

#### Five-Year Protection Plan

The Distribution Assurance Package provides 100 percent labor and travel coverage, and 100 percent parts coverage for maintenance, repair, or replacement for a full five years. With this level of protection, you avoid unexpected downtime costs and gain network availability.

#### Optional Removal and Disposal

If ordered with the Distribution Assurance Package, our technicians will remove and dispose of any old rPDUs while following all regulatory requirements. This optional task is handled when visiting to install and startup your new rPDUs.

#### On-site Support and Emergency Response

Vertiv's experienced team of technicians offers the industry's premier service capability for maintaining and supporting rPDUs. Should a problem ever arise, you'll have 24x7 access to Vertiv's Customer Resolution Center. You can count on quick recognition by support personnel as well as priority status during emergencies including guaranteed onsite emergency response.

#### Comprehensive Reports

We provide on-demand access to service histories and reports via the Customer Services Network portal. With this vital information at your fingertips, you will always know the status of your rPDUs under contract, and will have the information needed to simplify the management of this critical power system component.

#### ORDERING INFORMATION

To learn more about this service and other Vertiv solutions, visit

**VertivCo.com** or call **1-800-543-2378**.



**VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA**

© 2019 Vertiv Co. All rights reserved. Vertiv and the Vertiv logo are trademarks or registered trademarks of Vertiv Co. All other names and logos referred to are trade names, trademarks or registered trademarks of their respective owners. While every precaution has been taken to ensure accuracy and completeness herein, Vertiv Co. assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications are subject to change without notice.

SL-20881 (R02/19)