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 centre 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 centre and your business — can operate at peak efficiency.

Our complete portfolio of rPDUs offers value beyond power distribution. They easily integrate to your data centre 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 centre 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.

- **Switched:** All the benefits of a Monitored rPDU plus the ability to remotely turn on, turn off, or reboot power at each outlet.

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

Upgradable & Hot-Swappable
Easily update your rPDU's monitoring capabilities to adapt to latest technologies and changing business needs.

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.

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

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 to include alternating phase/circuit outlets, colored chassis options, and varying power and receptacle configurations. Contact your Vertiv sales team for more information.

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

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

Fault-Tolerant Daisy Chaining
Simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs.

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.
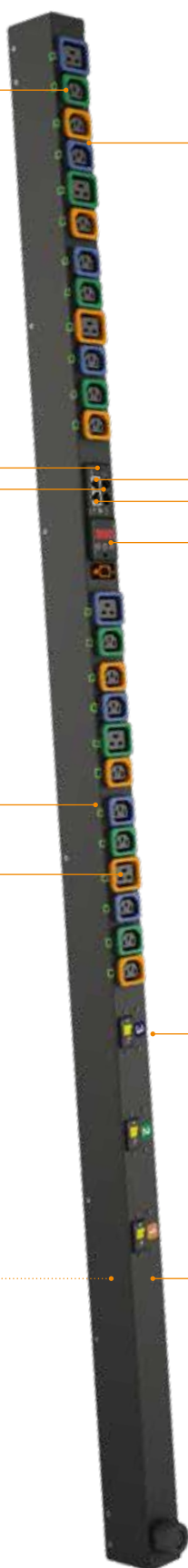
Small Footprint and Low Profile Breakers
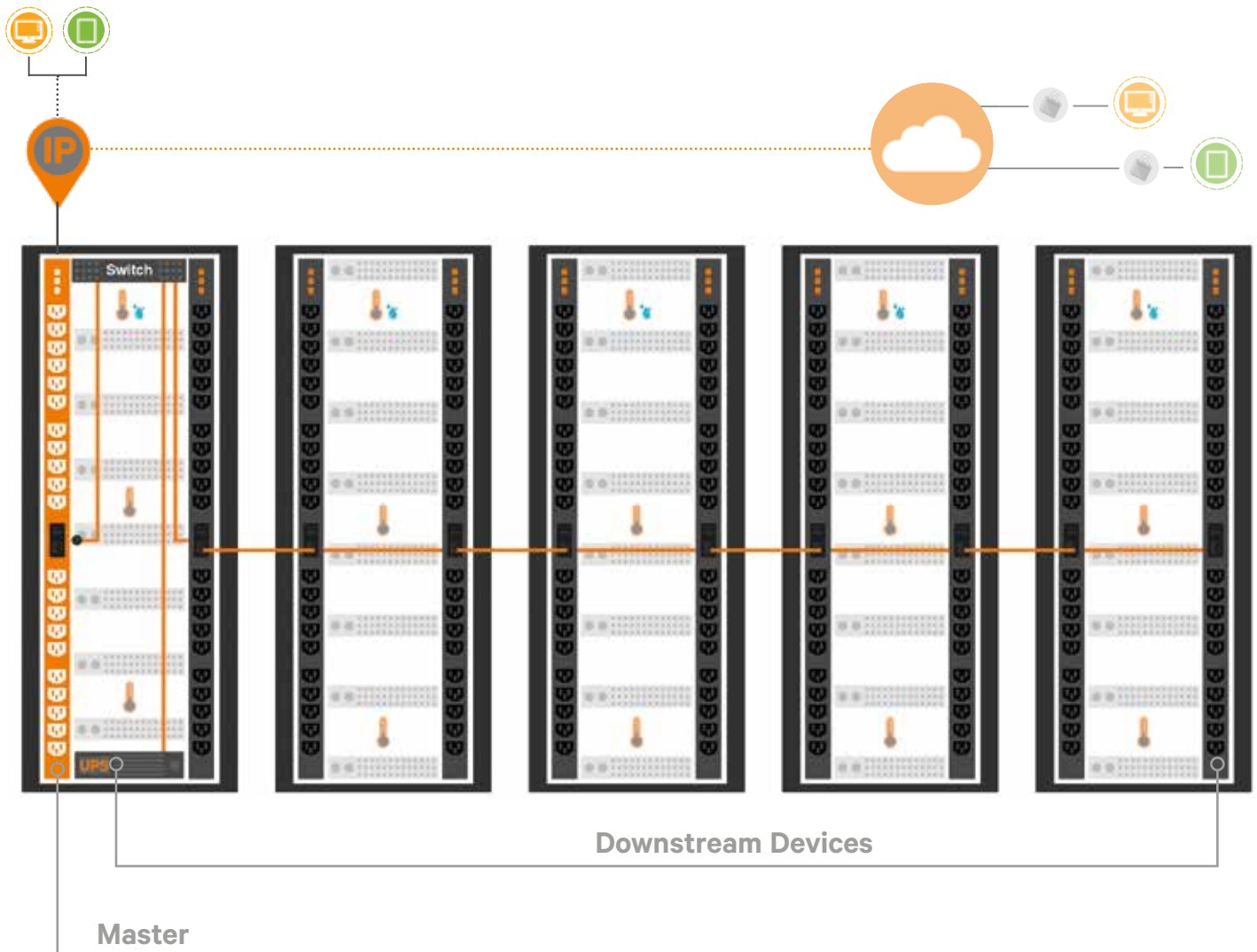Compact size to install in tight spaces.

Input Power Monitoring 1% accuracy
Allows data centre managers to accurately reconcile power usage with 1% monitoring accuracy tested to ANSI & IEC standards.

Vertiv Intelligence Director

Plug-n-Play Data Centre Infrastructure Enabling Lightning Fast Deployments

Downstream Devices

Master

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 units. An IMD-03EV can be purchased separately to upgrade a Monitored unit.

Vertiv Intelligence Director compatible with Vertiv Liebert GXT4 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. Switched units come standard with the IMD-3E.

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	OUTPUT C13	C19	MAX OPERATING TEMP*	VI DIRECTOR
VP9559	Basic	Standard	H	230 VAC	16 A	3.6 kVA	IEC60320 C20	10	2	45°C	N/A
VP7552	Basic	Standard	V	230 VAC	16 A	3.6 kVA	IEC60320 C20	20	4	45°C	N/A
VP7551	Basic	Standard	V	230 VAC	16 A	3.6 kVA	IEC60309 1ph/N/PE 6h	20	4	45°C	N/A
VP7553	Basic	Standard	V	230VAC	32 A	7.3 kVA	IEC60309 1ph/N/PE 6h	20	4	45°C	N/A
VP7557	Basic	Standard	V	230/400 VAC	16 A	11 kVA	IEC60309 3ph/N/PE 6h	36	6	45°C	N/A
VP8858	Monitored	Unit Level	V	230 VAC	16 A	3.6 kVA	IEC60320 C20	18	2	60°C	IMD Upgrade**
VP8853	Monitored	Unit Level	V	230 VAC	32 A	7.3 kVA	IEC60309 1ph/N/PE 6h	36	6	60°C	IMD Upgrade**
VP8881	Monitored	Unit Level	V	230/400 VAC	16 A	11 kVA	IEC60309 3ph/N/PE 6h	36	6	60°C	IMD Upgrade**
VP8886	Monitored	Unit Level	V	230/400 VAC	32 A	22 kVA	IEC60309 3ph/N/PE 6h	30	12	60°C	IMD Upgrade**
VP8959EU3	Switched	Unit Level	V	230 VAC	16 A	3.6 kVA	IEC60320 C20	21 U-Lock	3 U-Lock	50°C	YES
VP8953	Switched	Unit Level	V	230 VAC	32 A	7.3 kVA	IEC60309 1ph/N/PE 6h	20 U-Lock	4 U-Lock	50°C	YES

*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 units. An IMD-03EV can be purchased separately to upgrade a Monitored unit.

Product chart shows limited spec information. For complete product details visit VertivCo.com.

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

- Assessed to EN 60950 for CE

- Assessed to EN 55032 and EN 55024 for CE

- UL & c-UL Listed 60950

- FCC Part 15 Class A Conformance

How You Benefit from Vertiv™ Rack PDUs

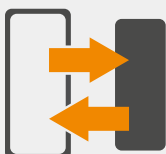## DESIGNED FOR HIGH AVAILABILITY

- 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 centre 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 centre 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 centre 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.

5-Year Protection Plan

OEM/ Certified Expertise

Startup and Installation

DISTRIBUTION ASSURANCE PACKAGE

24x7 On-site Emergency Response

100% Parts/Labor Coverage

Optional Equipment Disposal

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.**

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