



Product brochure

Vertiv™ PowerIT Rack PDU

Product overview



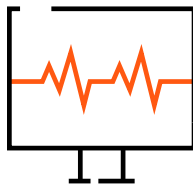
Background

Vertiv designs and manufactures industry-leading hardware and software to power, cool, monitor and manage critical data center infrastructure.

Vertiv™ PowerIT solutions include:



Rack power distribution



Environmental Monitoring





We produce high quality products while providing you with superior service and value. Whether it is providing excellent customer service or implementing new technologies, Vertiv™ PowerIT promotes innovation, quality and satisfaction in all aspects of business.

Design, assembly and testing

On-site engineering, reliability, conformance and compliance labs allow us to design, manufacture and ship rPDUs so they arrive when you need them.

Each new unit is built and approved in our labs before being released to production.

Every unit is tested for reliability and functionality.

Fully compliant — worldwide approvals

Conformance labs with a dedicated compliance and reliability engineering team confirm conformance to global standards for safety, reliability and accuracy.

Largest rPDU selection in the industry

Standard units are built-to-order and shipped in as little as two weeks.

Quick turn around on configure-to-order an engineered-to-order rPDUs

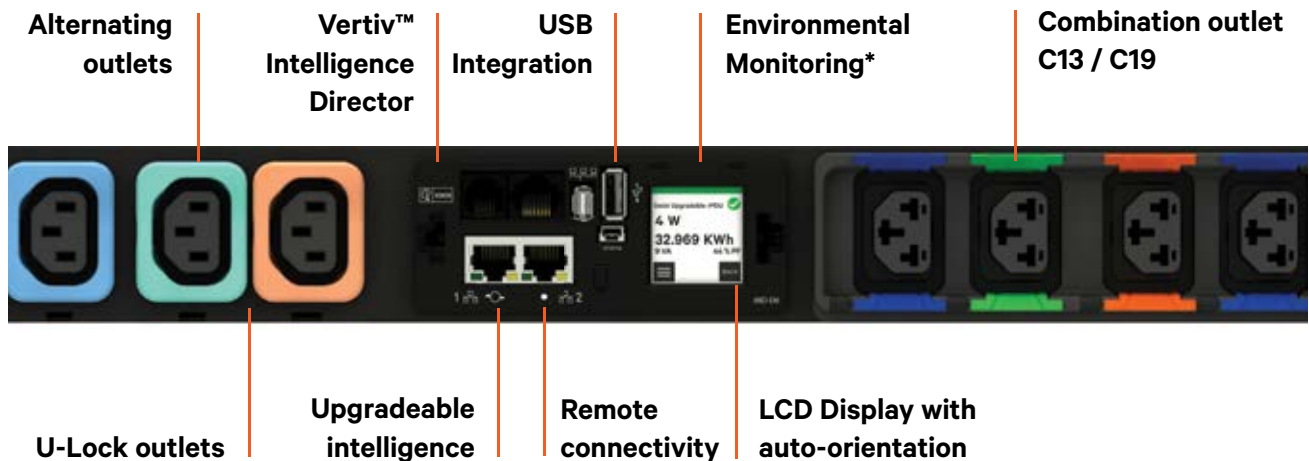
Cord length and chassis color changes can be shipped in as little as two weeks.

Engineer-to-Order units designed to meet your unique specifications shipped in as little as 2-4 weeks.



The broadest range of rPDU options available

Vertiv™ PowerIT offers a wide range of Basic, Monitored, and Switched rPDUs equipped with a hot-swappable intelligence card to allow for remote monitoring, management, and automated alerts. These units 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.



Intelligent rPDUs

Monitored

Monitored rPDUs provide power usage remotely with access to the rPDU current, voltage, real power, apparent power, power factor and kilowatt hours. Available in Unit Level and Outlet Level monitoring configurations.

Switched

Switched rPDUs provide 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 and Outlet Level monitoring configurations.

Basic and Metered rPDUs

Basic

Basic rPDUs offer reliable, space saving and cost-effective power distribution at the rack while meeting a broad range of power distribution requirements for all IT applications.

Metered

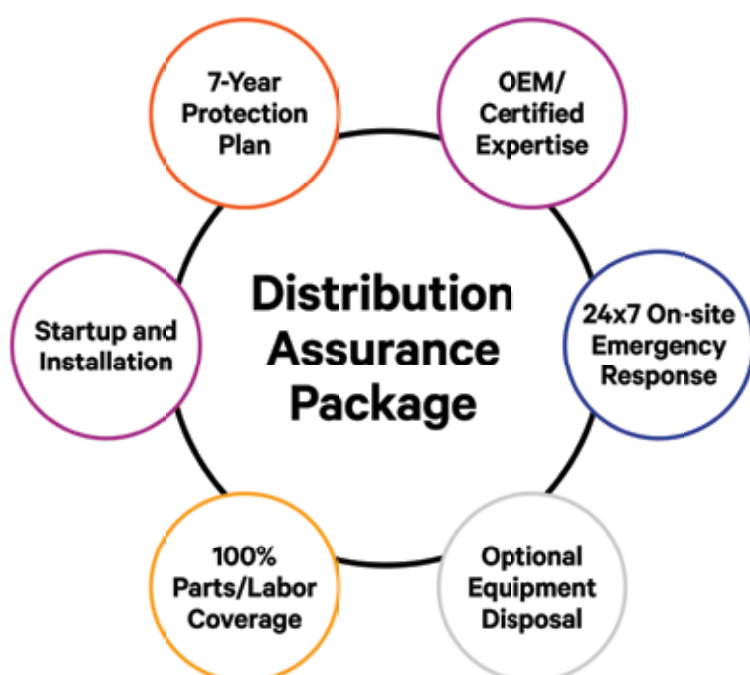
Metered rPDUs come equipped with a digital display providing power consumption data helpful in preventing overloads.



Finding the right rPDU

Feature	rPDU Type			
	Basic	Metered	Monitored	Switched
Power distribution	✓	✓	✓	✓
Current meter		✓	✓	✓
Network interface			✓	✓
USB			✓	✓
Environmental monitoring			✓	✓
Outlet-level monitoring			Optional	Optional
Outlet-level switching				✓
Upgradeable & hot-swappable	✓	✓	✓	✓
U-Lock outlets	✓	✓	✓	✓
Combination outlet C13 / C19	✓	✓	✓	✓
Horizontal and vertical configurations	✓	✓	✓	✓
Color chassis options	✓	✓	✓	✓

Distribution Assurance Package for Vertiv™ PowerIT rPDUs



Overview



Fault-tolerant daisy chaining

Simplifies intelligent PDU connectivity and maintains continuous data reporting through communication chain breaks.

High temperature grade

60°C temperature rating provides reliable operation in high temperature environments.

Input power monitoring

1% Accuracy (ANSI and IEC) allows data center managers to accurately reconcile power usage.

Low-profile breakers

Compact profile to install in tight spaces for units requiring breakers.

Ordering information

To learn more about services and other Vertiv™ solutions, visit

[Vertiv.com](https://www.vertiv.com)

Call 1-800-543-2378

Universal Power Distribution Unit (UPDU)

The Vertiv™ PowerIT UPDU is the most versatile and robust rack power distribution unit on the market with a universal power input and pivoting connector that can mate to any geographically specific Facility Side Cable, simplifying management and enabling rapid IT infrastructure deployments worldwide.

The universal design enables a single unit to be purchased, installed, and shipped to any location regardless of power requirements.



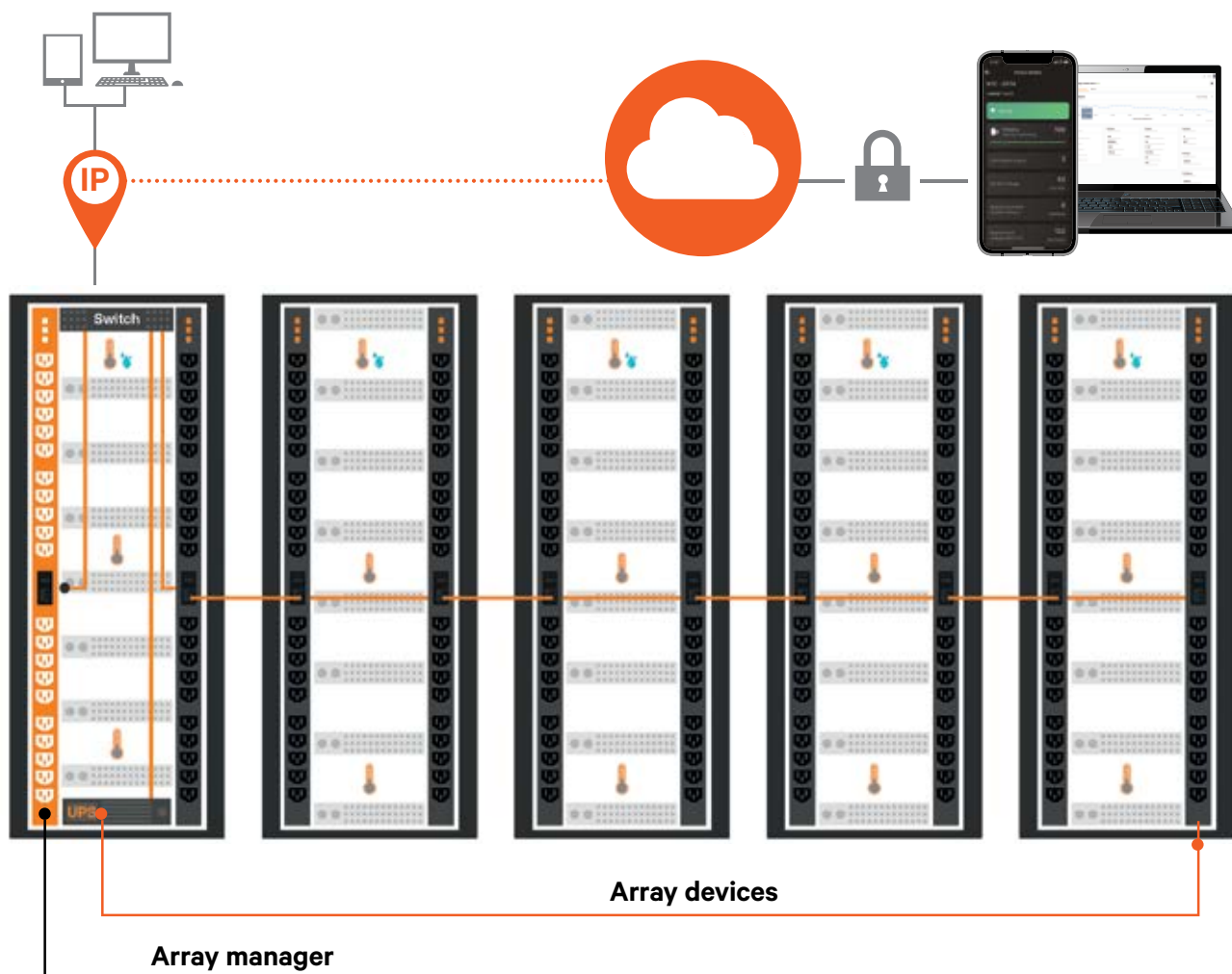
How does it work?

1. Select a Vertiv PowerIT UPDU model based on anticipated maximum rack power usage.
2. Choose between a 2U Horizontal or 0U Vertical with a variety of monitoring, management, and outlet configuration options.
3. Install the same model in all racks and cabinets. The pivoting input adjusts from 0 to 90 degrees to simplify power cable routing.
4. Identify the facility power available for each location and select the Facility Side Cable with the appropriate power configuration needed.



Vertiv™ Intelligence Director

Plug-n-Play data center Infrastructure enabling Lightning fast deployments



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

- 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 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 as the array manager.
2. Connect up to 50 devices through a network switch or by daisy chaining the rPDUs to the array manager.
3. Securely access array device data via SNMP or the array manager 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.

*One unit per group is required to have an IMD-03E, IMD-03E-S, IMD-3E, IMD-3E-S or IMD-5M. An IMD-5M can be purchased separately to upgrade a Monitored / Switched unit.

**Vertiv Intelligence Director compatible with Vertiv™ Liebert® GXT4, Vertiv™ Liebert® GXT5, Vertiv™ Liebert® PS15, and Vertiv™ Liebert® VRC products.

