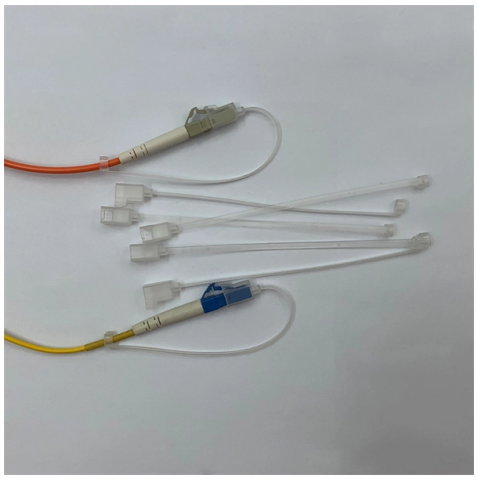
High-density rack-mount PDU energy-saving model available now



Overview

Designed for high availability gh operating temperature rating to accommodate increased rack dens Secure cords with U-Lock outlets to prevent accidental dislodging.

Key Takeaways

High-density, energy-efficient rack-mount PDUs from Eaton, Vertiv, APC, and nVent are available today, offering intelligent monitoring, flexible outlet configurations, and advanced energy management for modern data centers.

Eaton Rack PDU G4

The Eaton Rack PD

U G4 is a high-density 0U PDU with 24, 42, or 48 outlets, designed for GPU-intensive and AI workloads. It supports power ratings from 3 kW up to 23 kW and features P-Lock outlets to prevent accidental disconnections.

The PD

U includes a hot-swappable Gigabit Network Module for remote management, dual GbE ports for cascading up to 40 PDUs, and firmware updates for cybersecurity. Its compact 2-inch width allows multiple mounting options, reducing the number of PDUs needed and saving rack space. Vertiv PowerIT High-Density rPDUVertiv PowerIT High-Density rPDUs are engineered for high-performance computing and AI environments, delivering up to 57.

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6 kW per unit.

These PD

Us provide remote monitoring, automated alerts, and energy efficiency insights, allowing data center managers to optimize power distribution and prevent downtime. They support multiple voltage configurations and integrate with data center infrastructure management systems for enhanced resilience and performance. APC/Schneider Electric Rack PDUsAPC's NetShelter PDUs and Schneider Electric's intelligent PDUs offer 4-in-1 combination outlets compatible with C13, C15, C19, and C21 plugs.

These units provide metered-by-outlet monitoring, switching, and real-time energy management, enabling advanced load control and energy savings. The Green Premium program ensures transparency in energy efficiency and sustainability, helping data centers reduce Scope 1, 2, and 3 emissions.nVent Enlogic High-Density iPDUsnVent Enlogic high-density intelligent PDUs are designed for AI and high-density environments, offering cyber-secure monitoring, energy metering, and environmental threat detection. They support both horizontal and vertical rack mounting and provide flexible outlet configurations to accommodate modern IT equipment.

These PD

Us enhance uptime, optimize energy usage, and simplify rack management in demanding data center applications. Key Features Across ModelsHigh-density outlet configurations (24–48 outlets or more)Intelligent monitoring and remote management for energy efficiencyFlexible mounting options (0U, vertical, horizontal)Energy-saving capabilities through metering, switching, and load balancingSupport for AI, HPC, and GPU-intensive workloadsCybersecurity features for networked PDUs These PDUs are suitable for modern data centers seeking to maximize rack space, improve energy efficiency, and maintain high uptime while supporting high-power applications.

Article Content

VertivTM PowerIT Rack PDU for high density applications

Designed for high availability gh operating temperature rating to accommodate increased rack dens Secure cords with U-Lock outlets to prevent accidental dislodging.

Rack PDU | Power distribution units for server racks | Eaton

Eaton''s High Density (HD) Metered Outlet PDU has everything you have come to expect from rackmount PDUs with the added bonus of configurability. HD Metered Outlet PDUs provide outlet

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PX4 Landing Page

The all-new Raritan PX4 Rack PDU doesn''t just solve today''s power needs; it anticipates tomorrow''s power challenges. The PX4 combines 30+ years of battle-tested intelligence with industry-proven

Eaton Rack PDU G4

Industry-leading, high-density 0U mounted PDU that provides 24, 42 or 48 evenly distributed outlets on a 42U chassis. Its low-profile circuit breakers are flush with the chassis, and its narrow, single-wide

10 Best Rack-Mounted Smart PDUs (June 2026) Expert Reviews

In this guide, our team has tested and analyzed 10 of the best rack-mounted smart PDUs available in 2026. We have evaluated everything from budget-friendly basic units to enterprise-grade

PRO4X RACK PDUS

Our patented High Density Outlet Technology (HDOT) removes unnecessary outlet molding to provide the most outlets per PDU form factor to support high-density rack requirements. A hybrid of C13 and

10 Best Rack-Mounted Smart Power Distribution Units (June 2026)

Discover the best rack-mounted smart PDUs for 2026. Our expert review covers 10 top-rated power distribution units with remote management, monitoring, and enterprise-grade features for

APC NetShelter Advanced Rack PDUs | Schneider Electric USA

Best-in-class intelligent rack power distribution (PDU) with up to 50% more power, twice as many outlets, and a 4-in-1 combination outlet design for fast, flexible deployment. Maximizing density,

Vertiv Expands Rack PDU Portfolio for High-Density Computing ...

Built for rugged performance, the rack PDU reliably operates in temperatures up to 140°F (60°C) in environmental conditions up to 95% humidity, providing consistent performance and

PDU Product Selector

Rack Power Distribution Units (PDUs) Showing 1048 results with the following filters: Select Models to Get a Quote Model Info

Deploying liquid cooling in the data center

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High-density racks take up less white space, but the proportion of mechanical to white space in high-density, liquid-cooled data centers varies. For example, replacing 100 10 kW racks with 20 50 kW

Data Center Rack Power Distribution Unit Market (2026

In September 2025, Vertiv Group Corp. launched a new Vertiv PowerIT rack power distribution unit (PDU) as an expansion of its Vertiv PowerIT portfolio. The newly launched models are engineered to

Vertiv Products – Critical Power, Cooling and Other Equipment

Optimize your critical infrastructure, through rapidly deployable and highly efficient power system, thermal system and other infrastructure management products.

HaganeRack Indonesia – Rack Cabinet and Network Solution

Best for: High-density racks and AI/GPU workloads that require precise cooling directly at the heat source. Specs: In-Row and In-Room models with cooling capacity ranging from 10kW to 60kW.

Tripp Lite | Reliable UPS, Surge Protectors & Power Solutions

Beat the heat in data centers and enclosures with Tripp Lite air conditioners, engineered for precise cooling in high-density

Vertiv Liebert ITA2 Three Phase UPS with Battery Flexibility (VRLA/Li ...

rack or in a tower configuration Compact, high-power density Easy to install and manage High power factor maximizes the usable power Operates efficiently to save energy % and PF (Power Factor)

High-density rack PDU | Configure an HD rack PDU

Save money with up to 54 outlets With more outlets than any other PDU, the High Density rack PDU allows you to configure as many outlets as you want in a length that fits your rack size.

PDU Types in Data Centers: Basic, Metered, Switched & Intelligent

Vertiv offers high-density, AI-ready PDUs across its portfolio, including basic, switched, and monitored rack PDU. Vertiv''s strategy for data center supplies prioritizes high-density and edge

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