

How much does a NEMA4X DC power distribution unit for cloud computing server racks cost



AI Overview

NEMA4X DC PDUs for cloud computing server racks typically range from \$1,500 to \$5,000 or more, depending on amperage, monitoring features, and vendor.

Overview A NEMA4X DC PDU is designed for rack-mounted server environments and provides reliable power distribution with protection against dust, water, and corrosion, making it suitable for high-density cloud computing setups. These units often support high-current DC inputs (e.g., 48VDC) and multiple output circuits with fuses or breakers, and can be configured in horizontal or vertical rack formats.

Factors Affecting Cost

- Amperage and Power Rating:** Higher-rated units (e.g., 100A per input, 200A total) and higher total power (up to 9.6kW) increase the price.
- Monitoring and Control Features:**
 - Basic PDUs:** Simple power distribution, lowest cost.
 - Metered PDUs:** Include local or remote amperage monitoring, slightly higher cost.
 - Switched/Smart PDUs:** Offer outlet-level control, remote reboot, and network monitoring, typically at the higher end of the price range.
- Form Factor and Mounting:** 2U horizontal or vertical rack-mounted units may vary in price depending on depth and outlet configuration.
- Vendor and Brand:** Established brands like Eaton, Server Technology, and APC may charge a premium for reliability, warranty, and support.

Typical Price Range

- Basic NEMA4X DC PDU: \$1,500–\$2,500
- Metered or Monitored PDU: \$2,500–\$3,500
- Switched/Smart PDU with outlet-level monitoring: \$3,500–\$5,000+

Custom configurations, higher amperage, or additional features (like remote monitoring, surge protection, or high-density outlets) can push prices above \$5,000.

Recommendations Assess your rack power requirements: Determine total a...

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Power distribution units for server racks Eaton's rackmount PDU offering provides you with the power density and flexibility you require regardless of whether you're looking for PDUs for server racks or

DC Power Distribution Systems

At the end of 19th century, when Edison built the first electrical distribution networks, they were based on DC technology. However, with the invention of transformers,

APC USA | Schneider Electric United States

APC, a flagship brand of Schneider Electric, provides clean battery back-up power, surge protection, and IT physical infrastructure inside and outside the traditional

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Providing reliable and cost effective power distribution, the Basic PDU offers IEC outlet grips, tool-less installation in server racks, color-coded outlet sections and a high operating temperature.

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Rack PDU Power Distribution for Data Centers

Episode 10: Rack PDU (Power Distribution Unit) – Power Backbone of a Rack A server rack is full of powerful equipment, but every device has one basic requirement: -----> Reliable Power. The ...

Amazon : Power Distribution Units

TRENDnet 14-Outlet Managed 2U Rackmount Switched Power Distribution Unit, TPI-L14, 14 x NEMA 5-15R Managed Power Outlets, 2 x Gigabit Ports, Remote Cloud Management PDU, NDAA & TAA

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Rack PDU

Select the perfect Server Technology rack PDU for your needs. Power distribution units (PDUs) in all configurations - smart, switched, basic.

Rackmount PDUs

Rackmount PDUs are essential for efficiently managing power distribution in data centers and network environments. These versatile units are designed to be mounted within server racks, providing a

Enabling 1 MW IT racks and liquid cooling at OCP

At the 2025 Open Compute Project Summit, we announced a +/-400 VDC enabling 1 MW IT racks, and the Project Deschutes liquid cooling

48V DC Rack Power Distribution Units (-48VDC PDU)

Shop 48V DC rack power distribution units (-48VDC PDUs) for telecommunications, networking, and data centers. Reliable rack-mounted power distribution solutions.

Rack PDU (s), Data Center Rack Mount PDU (s), Power Distribution

See the features and compare the specs of our PDU families to find the perfect PDU to meet your demanding applications.

NEMA 4X Power Distribution Panel

The NEMA 4X rated power distribution panel provides operators the ability to safely tap into and distribute 480Y/277V AC power from a variety of sources including generators and direct grid power.

Power Distribution Unit (PDU) for Data Centers

Increasing rack power density both in the data center and at the network edge means that reliable power distribution is crucial. Our innovative power distribution units and rack PDUs not only maintain power,

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PDU Buying Guide | Eaton

Make an informed choice when purchasing your next Power Distribution Unit (PDU). Choose from basic, metered, monitored, switched and hot-swap PDUs. Learn more!

Rack PDU

Shop Rack Power Distribution Units (PDUs) at Server Racks Online. Explore rack-mounted, vertical, horizontal, intelligent, and surge-protected PDUs for server racks.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sphplantsales.co.za>

Email: info@sphplantsales.co.za

Phone: +27 64 827 3915

Address: Unit 9, Highveld Technopark, 43 Atlas Road, Johannesburg, 2196, South Africa

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