

Price Comparison of NEMA4X DC Power Distribution Units for Server Racks



AI Overview

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

Overview A NEMA4X DC power distribution unit is designed for industrial and data center environments where protection against dust, water, and corrosion is required. These units are often used in server racks, telecom cabinets, and network closets to distribute DC power safely and efficiently. NEMA4X-rated enclosures ensure the PDU can withstand harsh conditions, making them suitable for both indoor and outdoor installations.

Key Features

- Input Voltage and Current:** Common DC PDUs support -48VDC input, with rated amperages ranging from 20A to 200A depending on the model.
- Output Configuration:** Multiple high-current outlets (e.g., C13, C19, or slide-locking combinations) allow connection to servers and networking equipment.
- Form Factor:** Typically 1U or 2U horizontal or vertical rack-mounted units, compatible with standard 19-inch EIA racks.
- Monitoring and Control:** Advanced models include switched, metered, or intelligent PDUs with remote monitoring, outlet-level control, and SNMP or web-based management.
- Protection:** Fused or circuit breaker protection, surge suppression, and RCD (residual current device) options enhance safety.

Pricing Considerations Basic NEMA4X DC PDUs with standard outlets and minimal monitoring typically start around \$1,500–\$2,000. Intelligent or Switched PDUs with outlet-level monitoring, remote control, and high amperage ratings can cost \$3,000–\$5,000 or more. Customization (e.g., specific input/output configurations, longer cords, or additional sensors) can further increase the price.

Vendors and Sources Eaton offers a wide range of rack-mounted PDUs, including high-density and managed models suitable for DC applications. Server-Rack-Online provides DC PDUs with -48V input,...

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Amazon : Power Distribution Units

Online shopping for PDUs - Batteries, Chargers & Accessories from a great selection at Electronics Store.

Top 10 APC Rack PDUs for Data Centers (2026 Guide)

Explore the top 10 APC rack PDUs for data centers and enterprise racks. Compare basic, metered, and switched models to choose the right solution.

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These processing units are housed in high-density server nodes and stacked in standardized computer racks, allowing scalable deployment, efficient power distribution, and

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Each of these rack PDU types offers a variety of capabilities to fulfill the needs of your IT environment. Eaton PDU's for server racks are ready to be deployed in any application, from small/medium

2025's Best Server Rack Power Units Compared

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Power Distribution Units

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Business Standard

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A power distribution unit (PDU) is a vital device used to distribute electricity to multiple devices within data centres, server racks, industrial equipment setups, and IT environments. Whether you need a

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Find your rack-mount power distribution unit easily amongst the 48 products from the leading brands (iDRC, Maruson Technology, CAEN, ...) on DirectIndustry,

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

Our expert review covers 10 top-rated power distribution units with remote management, monitoring, and enterprise-grade features for server racks and data centers.

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