

Vertical PDU mounted in network cabinet



Article Overview

Vertical PDUs are mounted along the side or rear rails of a network cabinet to maximize rack space and improve power distribution efficiency.

Overview of Vertical PDUs

Vertical PDUs, also known as zero-RU PDUs, are designed to be installed along the vertical rails of a server or network cabinet, either at the rear or sides. This orientation saves valuable "U" space for IT equipment, unlike horizontal PDUs that occupy rack units within the cabinet. Vertical mounting allows for high-density outlet configurations, supporting multiple devices without compromising airflow or accessibility.

Benefits of Vertical Mounting

- **Space Efficiency:** By running along the cabinet frame, vertical PDUs free up horizontal rack space for servers, switches, and storage devices.
- **Improved Cable Management:** Vertical placement enables organized routing of power cords along the sides, reducing clutter and minimizing airflow obstruction.
- **High Outlet Density:** Many vertical PDUs provide numerous outlets (C13, C19, or NEMA), often with locking options to secure connections.
- **Flexibility:** Power cords can exit from the top or bottom, and some models feature rotatable inlets for up to 330° flexibility, accommodating various cabinet layouts.
- **Monitoring and Control:** Advanced vertical PDUs may include metered, monitored, or switched capabilities, allowing real-time power usage tracking and remote outlet control

Article Content

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Power Distribution Units | Legrand

To support power distribution requirements in network and server racks and cabinets, Legrand manufactures a range of Power

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Where do you mount a PDU in a server rack or enclosure?

Vertical mounting, either along the side rails or at the rear of the enclosure, optimizes rack space efficiently. This orientation can

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Data Centre Power Distribution Units (PDUs)

Horizontal form factor power distribution units are designed for 483Wmm wide cabinets. Vertical form factor PDUs can be of varying

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Vertical Wall Mount Cabinets

Low-Profile Edge-Series Vertical Wall Mount Cabinets support large servers, UPS's, network switches and devices commonly found

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Power Distribution Units | Legrand

Below you will find a variety of PDUs, including both vertical (zero RU) and horizontal (rack mount) form

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Power Distribution Units | Leviton Network Solutions

Provide robust, reliable power to rack and cabinet equipment with Leviton Power Distribution Units (PDUs). Choose from a variety of

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Power Distribution Units | Leviton Network Solutions

Servers, storage, and networking equipment can only perform as well as the power that drives them. Provide robust, reliable power

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Power Distribution Units (PDU) – Intellinet Europe

Intellinet PDUs (Power Distribution Units) and rack power strips provide a reliable solution for power

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Mounting_Solutions dd

Overview Power Distribution Units (PDUs) for the IT rack/cabinet come in a wide variety of shapes and sizes to accommodate

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Rack PDU

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

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Vertical PDUs vs. Horizontal PDUs | Enconnex

Also known as “vertical PDUs” or “0U PDUs”, “Rack PDUs are mounted vertically in the “zero U” space in the back of

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Cabinet Mounted PDU Installation Made Easy

Measuring cabinet dimensions and mounting options Accurate measurements of your cabinet are essential

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10 Things to Consider When Choosing a Rack PDU

You'll often see one vertically mounted PDU on the left side and one on the right side of a

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Where to install Power Distribution Unit : Location, Orientation, and ...

A “0U” PDU is designed to be mounted vertically on the side of a rack without occupying any of the rack's unit (U)

Nov 07, 2025

Power Distribution & PDUs

Power Distribution and PDUs Our in-cabinet-mounted Power Distribution Units (PDUs) are manufactured

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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

Dec 08, 2025

Rack PDU | Power distribution units for server racks | Eaton

Discover Eaton rack PDUs for small business network closets to large data centers. Select a rack PDU to fit your IT needs.

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The Power Distribution Unit Range

The Comlynx PLX-C Series UK Horizontal Detachable, IEC Power Inlet, Power Distribution Unit, PDU, is

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Server Rack PDU Guide | Rack Power Distribution

Care should be taken with a vertical PDU to ensure it will fit within the overall internal height

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Data Center Rack Power Distribution Explained: CEE

Power was distributed through rack PDUs mounted vertically inside the cabinet. However,

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Metered & Switched Vertical PDU

Our space-saving vertical PDUs not only offer a convenient switching function for each output, but also

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Installing a Rack Mounted PDU Made Easy for Beginners

Easily install a rack mounted PDU with step-by-step tips for safe setup, cable management, and overload protection—perfect for

Apr 22, 2026

A Guide to Installing ESTEL Cabinet PDUs Effectively in 2025

Install cabinet PDUs effectively with tips on mounting, cable management, and scalability. Ensure optimal power

Oct 25, 2025

What is a Vertical Rack Mount PDU Explained

A vertical rack mount PDU is a space-saving power distribution unit for server racks, offering efficient cable management, high outlet

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Solved: PDU Vertical Mounting

PDU Vertical Mounting Hi, I am trying to vertically mount the 1u PDUs (e.g. AP7801). These apparently don't come

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Comprehensive Guide to Selecting the Best Vertical Rackmount PDU

Choose the best vertical rackmount PDU by considering power capacity, outlet types, rack compatibility, and advanced features like

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The Ultimate Guide to Vertical Rack PDUs: Power Distribution

This guide aims to help the reader understand Vertical Rack PDUs and their role within the entire data center and

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Quick Guide to Power Distribution Unit (PDU)

This is a brief guide of the Power Distribution Unit (PDU), which may help to resolve your problems with the rack

Contact Us

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