

New 2025 Model DC Power Distribution Unit for Server Racks



Overview

Representatives from Google, Meta, and Microsoft this week took to the stage at the 2025 OCP EMEA Summit in Dublin to discuss the previously announced Mount Diablo project; a new power rack side pod that the companies say will enable IT racks to reach densities of up to 1MW. Moreover, the 1MW-scale In-Row Power is a hyperscale-ready power system offering multiple 106kW HVDC Power Shelves to solve the challenge of limited space and higher power rack needs. The new Energy Variance Appliance (EVA) Rack is conceived to maintain a limited peak-to-average AC input current. Leading brands like ESTEL, Schneider Electric, Eaton, Vertiv, and Raritan offer cutting-edge features such as real-time monitoring, outlet-level control, and seamless compatibility with IT equipment. With the market projected to grow from \$3. 27 billion in 2025. SAN JOSE, Calif., Oct 13, 2025 — Delta, a global leader in power management and smart green solutions, is redefining data center power infrastructure by unveiling its next-generation 800VDC high voltage power solutions at OCP Global Summit 2025. In addition, EcoStruxure Rack Solutions. 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 switching environments.



Article Content

ROHM Publishes White Paper on Power Solutions for Next

ROHM has released a new white paper detailing advanced power solutions for AI data centers based on the novel 800 VDC architecture, reinforcing its role as a key semiconductor

AI infrastructure is hot. New power distribution and

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

Hyperscalers prepare for 1MW racks at OCP EMEA;

Representatives from Google, Meta, and Microsoft this week took to the stage at the 2025 OCP EMEA Summit in Dublin to discuss the previously

Building the 800 VDC Ecosystem for Efficient, Scalable

Next-generation AI factories will transition from today's AC distribution to an 800 VDC distribution model. Today's architecture involves multiple power

Data Center Power Distribution Units

Server Technology produces the highest quality Data Center rackmount power distribution units (PDUs) and monitoring solutions.

Understanding Power Distribution Units (PDUs): A

Power Distribution Units (PDUs) play an essential role in the delivery of electricity to servers, network equipment and other IT equipment housed in IT server racks.

Understanding ESTEL Power Distribution Units for

Discover how ESTEL power distribution units for server racks in 2025 enhance energy efficiency, reliability, and scalability for modern data centers.

Hyperscalers prepare for 1MW racks at OCP EMEA; Google announces new ...

Representatives from Google, Meta, and Microsoft this week took to the stage at the 2025 OCP EMEA Summit in Dublin to discuss the previously announced Mount Diablo project; a new

NVIDIA GB200 Supply Chain: The Global Ecosystem

In each server, a power distribution board (PDB) steps down 48 V to 12 V for the GPUs/SOC, via large VRM arrays. According to supply-chain reports, each

Google details 1 MW IT rack plans exploiting EV supply chain

The CDU supplies the server racks and is in turn connected to the data hall's wider distribution loop. Coolant is ultimately delivered via flexible hoses to cold plates directly attached to

Inside OCP Global Summit 2025: Power, Cooling, and the Emerging ...

From NVIDIA's 800Vdc power architecture to the open Deschutes CDU standard, this year's OCP Summit highlighted breakthroughs across the full spectrum of power, cooling, and rack

How To Choose the Right Power Distribution Unit for

Today, among the many important decisions when it comes to data center efficiency, is which rack mount power distribution unit (PDU) to use. Simply put,

Complete Guide for Power Distribution in Servers, Racks, and Data

Power Distribution Units (PDUs) are the crucial link between your facility's electrical infrastructure and your IT equipment. These devices ensure clean, stable power reaches every server, switch, and

Data Center Server Rack: The Ultimate Guide

A data center server rack is critical for managing and organizing IT equipment. It supports hardware, enhances cooling, and ensures efficient power

Business Standard

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

AI infrastructure is hot. New power distribution and

At the 2025 OCP EMEA Summit today, we discussed the power delivery transformation from 48 volts direct current (VDC) to the new +/-400

Rack Power Distribution Unit (rPDU)

With the use of a Delta rPDU, energy flows steadily to every device inside a rack cabinet. Protection, optimized power distribution, and intelligent management begin with Delta rPDUs for your data center.

News Center

In close collaboration with NVIDIA, Delta has developed next-generation 800 VDC power solutions capable of enabling 1.1 MW-scale racks for hyperscale AI factories, setting a new standard

AshwinD24's gists · GitHub

GitHub Gist: star and fork AshwinD24's gists by creating an account on GitHub.

Schneider Electric Launches New Data Center

NetShelter Rack PDU Advanced: These power distribution units have been updated to support the high-current power needs of AI servers. Designed

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Rack PDU Selection Guide: Power Distribution Units for

Explore our comprehensive Rack PDU Selection Guide for server racks. Find the perfect power distribution unit from Eaton for your data center or

AI infrastructure is hot. New power distribution and liquid cooling ...

At the 2025 OCP EMEA Summit today, we discussed the power delivery transformation from 48 volts direct current (VDC) to the new +/-400 VDC, which will enable IT racks to scale from 100...

Rack PDU | Power distribution units for server racks | Eaton

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.

Google Pushes 1 MW AI Rack Power Architecture and

Google is collaborating with Meta and Microsoft under the Mt Diablo project to standardize this new high-voltage power architecture, leveraging the

Google Pushes 1 MW AI Rack Power Architecture and Liquid Cooling ...

Google is collaborating with Meta and Microsoft under the Mt Diablo project to standardize this new high-voltage power architecture, leveraging the mature EV supply chain for scale and

Schneider Electric Launches New Data Center Solutions to Meet ...

NetShelter Rack PDU Advanced: These power distribution units have been updated to support the high-current power needs of AI servers. Designed for efficient rack layouts, the

2025's Best Server Rack Power Units Compared

Compare 2025's top power distribution units for server racks. Discover features, scalability, energy efficiency, and reliability to optimize your IT setup.

What is a Power Distribution Unit for Server Racks by

A power distribution unit for server racks ensures stable power delivery, efficient energy management, and reliability for IT equipment in data

Dell Integrated Rack Scalable Systems—Simplified, Reliable

This model is a major departure from traditional racks, where each server has its own dedicated power supply units. By centralizing power, the IR7000 design reduces complexity,

2025 OCP Summit Highlights Data Center Efficiency

AI Rack-Level Design Evolution: At the 2025 OCP Summit, one key spotlight on AI servers is the latest rack-scale AI systems. NVIDIA, AMD, and

Contact Us

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