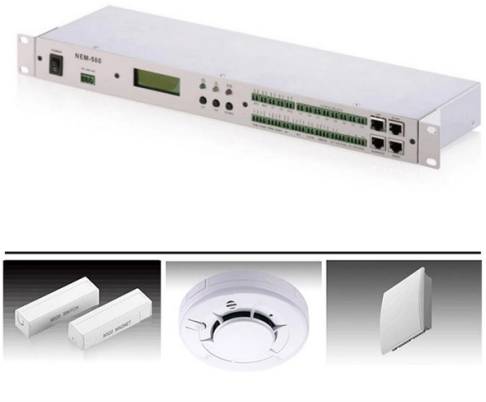
Hot-swappable power distribution unit cold aisle anti-tracking manufacturer



Overview

SmartOnline hot-swappable modular UPS systems feature a modular power distribution unit (PDU) that combines all input and output power connections with a manual bypass switch.

Key Takeaways

Ciel Climate Solutions Pvt. Ltd. provides hot-swappable, cold aisle-compatible PDUs with anti-tracking features for mission-critical data centers. OverviewHot-swappable PDUs allow data center operators to replace or upgrade power distribution units without shutting down connected equipment, ensuring continuous uptime.

Anti-tracking features prevent electrical arcing and reduce the risk of short circuits, which is critical in cold aisle containment environments where airflow and safety are tightly controlled.

These PD

Us are typically available in vertical and horizontal form factors, enabling flexible deployment in racks of various sizes.

Cold Aisle Integration

Cold aisle containment systems separate cold supply air from hot exhaust air, improving cooling efficiency and reducing energy costs.

PD

© 2026 METRA FIBER MARKET - All rights reserved

Us designed for cold aisle deployment are engineered to fit within the containment aisle without obstructing airflow, often featuring modular designs and compact footprints.

Hot-swappable PD

Us complement this setup by allowing maintenance without disrupting the controlled environment.

Manufacturer Recommendation

Ciel Climate Solutions Pvt. Ltd. is a notable manufacturer and distributor offering: Rack PDUs in both vertical and horizontal configurationsHot-swappable designs for uninterrupted power deliveryAnti-tracking safety features to prevent electrical hazardsIntegration with hot and cold aisle containment systemsAccessories such as magnetic strips and blanking panels to ensure complete containment Their solutions are suitable for data centers, network operations centers (NOCs), and other mission-critical facilities, providing both power management and environmental control.

Additional Considerations

When selecting a PDU for cold aisle deployment: Ensure compatibility with existing containment systems and rack dimensionsVerify power capacity and redundancy requirementsConfirm safety certifications for anti-tracking and surge protectionConsider modular or scalable designs to accommodate future expansion Other manufacturers in the market may offer similar PDUs, but Ciel Climate Solutions provides a comprehensive ecosystem including containment, power distribution, and monitoring solutions, making them a strong candidate for integrated data center infrastructure.

Article Content

Hot-swap for UPS systems and PDUs

SmartOnline hot-swappable modular UPS systems feature a modular power distribution unit (PDU) that combines all input and output power connections with a manual bypass switch.

Hot-Swap UPS Systems & PDUs | Eaton

SmartOnline Hot-Swappable Modular UPS Systems feature a modular power distribution unit (PDU) that combines all input and output power connections with a manual bypass switch.

PX4 Landing Page

© 2026 METRA FIBER MARKET - All rights reserved

It offers industrial-grade reliability and multilayer redundancy for failover support. The iX is fully hot-swappable; it enables live replacement with no power interruption to the individual outlets. It''s the

CHx2000 CDU with 2000 kW Liquid-Air Cooling | CoolIT Systems

Deploy liquid cooling with CoolIT today. Discover CHx2000, CoolIT''s highest-performing CDU. 2000 kW liquid-to-air capacity, hot-swappable pumps, and full monitoring for data centers.

Eaton FlexPDU & HotSwap MBP

The FlexPDU is a basic function power distribution unit with a short power cord for easy, close mounting. FlexPDUs are available with 5-15R, 5-20R or L5-20R

Modular UPS with Hot-Swappable Design

Our hot-swappable modular UPS systems are ideal for: Protect critical IT infrastructure with no risk of shutdown. Power imaging, surgical, and life-support systems continuously. Keep

Power Distribution Units (PDU) – Intellinet Europe

Thanks to their robust construction, easy rack installation, and wide range of outlet and protection options, Intellinet PDUs ensure safe, efficient, and organized power distribution while supporting the

Power Distribution Units

Designed to protect both on-premises and remote environments, our PDUs not only optimize power consumption but also guarantee maximum uptime with pinpoint

Modular Power Distribution

Comprised of a UL listed “touch-safe” backplane with up to 72 poles of 3-phase power and hot-swappable power distribution modules, all engineered into the world''s smallest footprint for power

Hot Aisle Containment | Legrand

Legrand hot aisle containment solutions optimize airflow, reduce energy consumption, and ensure peak performance for critical infrastructure. Hot aisle containment Is the most common method for

What Are Hot-Swappable and Cold-Swappable

You''ve probably seen the term "hot-swappable"---and to a lesser extend, "cold-swappable"---pop up if you''ve ever shopped for any digital storage

Top 10: Power Distribution Unit Companies | Data Centre Magazine

© 2026 METRA FIBER MARKET - All rights reserved

Its power distribution solutions include a full one-line portfolio - including transformers, high, medium and low voltage switchgear, circuit breakers, switching technology, remote power

Modular PDU with Hot-Swappable Power Modules 32A, 300V, 3-Phase

Modular PDU with Hot-Swappable Power Modules 32A, 300V, 3-Phase, Find Details and Price about Power Distribution Unit 6way Power Distribution Unit from Modular PDU with Hot-Swappable Power

PX4 Landing Page

The PX4 is more than just a rack power distribution unit. It is a unified rack PDU solution that provides forward-thinking tools, sensors, and insights to solve ever-evolving infrastructure challenges.

Data Center Hot/Cold Aisle Containment Systems | Eaton

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

Hot-swappable power distribution unit cold aisle depth 1000mm ...

YoAhorroEnergia Data Infrastructure (YAE) delivers modular data centers, edge data centers, server rack systems, cold/hot aisle containment, EMS, smart PDU, and AC/DC distribution solutions for

Power Distribution Unit (PDU) for Data Centers

Looking for a reliable PDU? Vertiv''s power distribution units can remotely monitor and deliver consistent power to keep your operations running.

What are hot and cold aisles in the data center?

In its simplest form, hot/cold aisle data center design involves lining up server racks in alternating rows, with cold air intakes facing one way and the hot air exhausts facing the other. The

© 2026 METRA FIBER MARKET - All rights reserved

Contact Us

Continue your research online:

Website: https://metramarket.es
Technical inquiry: https://metramarket.es/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 METRA FIBER MARKET - All rights reserved