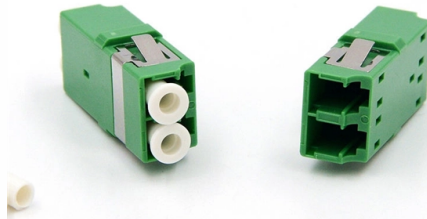


Data Center PDU Classification



Overview

The Uptime Institute Tier Classification System is the industry-standard framework for defining the redundancy and reliability level of data center infrastructure. As Data Centers evolve to handle increasing power densities driven by AI, cloud computing, and high-performance applications, PDUs have advanced from simple power strips to intelligent systems offering Monitoring, Remote Management, and. Data center PDUs distribute power from UPS or utility-backed systems to rack equipment. This guide explains PDU types, key features, deployment styles, and how to choose the right unit for uptime, monitoring, and power efficiency. What Is a PDU?

What Is a PDU?

A PDU (Power Distribution Unit) in a. This is where Power Distribution Units (PDUs) play a critical role. Modern PDUs are no longer simple power strips. They have become an essential part of data center operations, supporting power visibility, energy management, remote operations, and overall reliability. Vertiv – High-Density & AI-Ready PDUs 2. Maximizing AI and HPC performance with switched rack PDUs 2. Eaton – Intelligent Rack-Level Control. Power Distribution Units (PDUs) determine where that power goes, how much each device draws, and whether operators can act on any of it remotely — making PDU selection one of the more consequential decisions in data center design. The stakes have risen sharply as rack densities climb.

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Contact Us

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

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

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

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