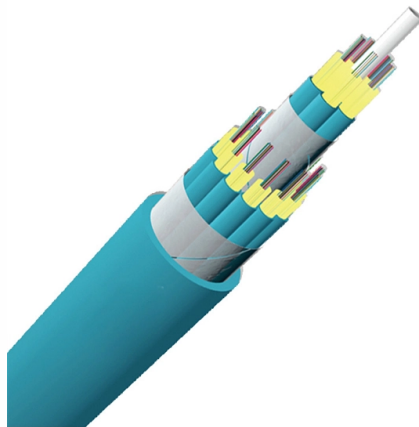


Intelligent Power Distribution System PDU



Overview

An Intelligent Power Distribution Unit (iPDU), also known as a Smart PDU or Intelligent PDU, is a critical component in modern data center infrastructure. iPDUs serve as a centralized power management solution that enhances the efficiency, reliability, and monitoring capabilities of power. Managing and installing a rack power distribution unit (PDU) has never been easier than with the EL2P PDU. Vertiv – High-Density & AI-Ready PDUs 2. Maximizing AI and HPC performance with switched rack PDUs 2. These systems enable outlet-level visibility, remote power control, and integration with monitoring platforms, supporting modern requirements for distributed. Power Distribution Solutions Seismic Bracing Systems Surge Protection Wall Mounted Network Racks and Cabinets Outside Plant Enclosures IT Precision Slides Lightning Protection NEW Products Center Applications Hyperscale Data Center Solutions Colocation & Multi Tenant Solutions Edge Data Center. There are two types of Power Distribution Units (PDUs), the basic type and the intelligent type.



Article Content

Intelligent Power Distribution Units

Take energy management to the next level with Panduit PDUs. Designed to protect both on-premises and remote environments, our PDUs not only optimize power

Military Power Distribution Units / Mil-Spec PDU

Intelligent power distribution unit technology often incorporates integrated monitoring systems that provide real-time data on power usage, load

Intelligent PDU Market Size, Share & 2030 Trends Report

The intelligent PDU market size is USD 3.52 billion in 2025 and is forecast to reach USD 5.53 billion by 2030, reflecting a 9.44% CAGR. Rapid uptake of AI-ready data centers, the migration

Understanding Power Distribution Units (PDUs): A Comprehensive

Whether you consider a rack mount power strip, a server rack PDU, or an advanced rack power distribution solution, understanding your infrastructure's specific needs will guide you in making the

Intelligent PDUs – Types and Benefits

In rack-level power distribution, the basic role of a power distribution unit is straightforward: deliver electricity from upstream systems to IT equipment. As data centers scale and

EL2P Intelligent Power Distribution Unit (iPDU)

The EL2P iPDU is not only a power distribution unit and energy monitoring device — it is a game-changer for your data center. These cutting-edge iPDUs shall continuously monitor power and

Intelligent PDU Market Size, Share & 2030 Trends Report

Intelligent PDU Market Analysis by Mordor Intelligence The intelligent PDU market size is USD 3.52 billion in 2025 and is forecast to reach USD 5.53 billion by 2030, reflecting a 9.44% CAGR.

Power Distribution System Design for Data Centers and

A technical guide to power distribution system design for data centers and mission-critical facilities — covering redundancy tiers, UPS systems, PDUs,

What is an Intelligent PDU?

An intelligent PDU, or smart PDU, goes beyond distributing power to data center IT equipment. It is capable of monitoring, managing, and controlling power consumption to multiple devices.

Data Center Rack Power Distribution Unit (PDU) Business Report

The global market for Data Center Rack Power Distribution Unit (PDU) was valued at US\$2.2 Billion in 2024 and is projected to reach US\$3.2 Billion by 2030, growing at a CAGR of 6.4%

Rack PDU (s), Data Center Rack Mount PDU (s), Power Distribution

The Rack PDU For All Your Data Center Needs Trusted by the world's largest data center operators, Server Technology Rack Power Distribution Units' innovative design combines over 30 years of

Data Center Rack PDU Market Demand Forecast Driven by Smart

Companies investing in innovative, energy-efficient, and scalable power distribution solutions can secure competitive advantages and meet the evolving demands of data center operators.

Raritan PX3 Rack PDU

Raritan PX3, Intelligent Rack PDUs See how the PX series of rack PDUs is engineered to reliably and efficiently distribute power to devices in your data center.

Smart PDU Architecture Guide (Intelligent Rack Power Distribution)

This guide explains how intelligent rack power distribution systems are designed, deployed, and integrated into broader electrical and monitoring architectures.

PowerPak 2 EX | PP2 EX PDU | Eaton

The PowerPak 2 EX (PP2 EX) PDU is a compact, cost-effective power distribution solution, supporting applications from 300 to 625 kVA. Featuring a modular, flexible design, efficient performance,

Power Distribution Units (PDU) – Intellinet Europe

Selected models offer additional features such as surge protection, circuit breakers, and intelligent monitoring capabilities. Our Smart PDU enables real-time monitoring of power consumption,

Power Distribution Unit Industry Report 2026-2035: A \$7.11 Billion ...

The power distribution unit (PDU) market is poised for significant growth, projected to expand from \$4.23 billion in 2025 to \$7.11 billion by 2030, with a compound annual growth rate

Intelligent PDU | nVent DATA-SOLUTIONS

What liquid cooling products does nVent offer? Are modular or configurable cooling options available? What CDU (coolant distribution unit) options does nVent provide? Can liquid cooling be added to my

Smart PDU's - Intelligent Power Management | nVent

Explore a diverse selection of Intelligent PDUs, including Enlogic PDUs, tailored to suit your unique requirements. From basic monitoring to advanced metering and

PDU Types in Data Centers: Basic, Metered, Switched & Intelligent

Explore different PDU types used in data centers, including basic, metered, monitored, switched, and intelligent PDUs. Learn features, benefits, and top suppliers.

Intelligent Power and Sensing Technologies | onsemi

The leader in intelligent power and image sensing technologies that build a better future for the automotive, industrial, cloud, medical, and IoT markets

Smart PDU Solutions | Intelligent Power Distribution Units

Intelligent Power Distribution Units - switched, metered and monitored PDUs for data centers, telecom and industrial applications. Remote power control, real-time energy metering, SNMP/Modbus

Rack PDU & Distribution Units | Schneider Electric UK

Choose Schneider Electric rack PDUs, PDU racks, or rack PDU solutions for dependable, efficient, and intelligent power distribution tailored to the needs of modern IT environments and data centres.

Data Center Rack Power Distribution Unit Market (2026)

The data center rack power distribution unit (PDU) market is experiencing sustained growth as data centers proliferate globally and increasingly prioritize resilient, flexible, and intelligent power delivery

Intelligent Electric Power | Smart Grid Solutions | Huawei Enterprise

Intelligent Power Distribution The future power grid will evolve to the new generation power system from the technical characteristics. From the functional form, it will evolve to the energy Internet. It is an

EL2P Intelligent Power Distribution Unit

The EL2P PDU provides reliable, intelligent power distribution in hospitals and clinics, reducing install complexity and enhancing uptime for medical networks

Contact Us

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