

Intelligent Power Supply 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. There are two types of Power Distribution Units (PDUs), the basic type and the intelligent type. Whether that means speeding up Saturday installs or focusing on. 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 Solutions Enterprise Data Centers. 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 integration, global certifications and OEM/ODM support.



Article Content

Smart PDU Solutions | Intelligent Power Distribution Units

Switched, metered and monitored Smart PDU solutions for data centers, telecom and industrial applications. Remote outlet control, energy metering, SNMP/Modbus integration and OEM/ODM

ASRock | PG-1600G

The ASRock Phantom Gaming series power supply supports both current and future standards, fully compliant with ATX12V V3.1 and PCIe Gen 5.1. Ideal for both

What is the difference between PDU and PSU?

A PDU (Power Distribution Unit) and a PSU (Power Supply Unit) perform different but complementary functions in an IT power system. A PDU distributes incoming AC power from a single source to

iPower ACU | Intelligent PDU | Smart PDU

The range consists of four models offering various levels of power monitoring and power switching features, and can be manufactured as single, dual or 3-Phase

Used 750W Power Supply, 80 Plus Bronze Certified, Semi Modular

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ROG Strix 1000W Platinum White Edition | ROG Strix | Gaming Power ...

ROG Strix 1000W Platinum White Edition ROG Strix 1000W Platinum White Edition is a cool and quiet PSU with stable power delivery, engineered for efficiency with GaN MOSFET and "GPU-FIRST"

Power and Reliability: XPG Core Reactor 750W PSU Review

In the realm of power supply units, the XPG Core Reactor 750W PSU emerges as a standout contender. Its 80 Plus Gold certification, intelligent cooling system, Japanese capacitors,

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

What is an Intelligent PDU?

An intelligent PDU, also known as smart PDU, goes beyond distributing power to IT equipment within the data center. It is capable of monitoring, managing, and controlling power consumption to multiple

Infinite unveils roadmap for power supply units in AI data centers

The 8kW power supply unit will be available in first-quarter 2025. Infineon at PCIM Europe 2024 Infineon is presenting its products and solutions for decarbonization and digitalization in

Smart Rack Power Management for Enterprise Servers

An engineering guide to deploying intelligent rack power solutions, focusing on power monitoring, outlet-level control, and thermal management for high-density enterprise server environments.

ROG STRIX 1200W Platinum | Power Supply Units

ROG Strix 1200W Platinum is a cool and quiet PSU with stable power delivery, engineered for efficiency with GaN MOSFETs and intelligent stabilizer in striking

Raritan PX3 Rack PDU

Intelligent Rack PDU (PX3) Raritan's power intelligence capabilities at the device level provide important insights on how to improve energy efficiency in data centers and other locations.

Smart PDU — remote power control with short-circuit protection

Smartest PDU in the world — combines per outlet remote power management, configurable automatic transfer switch (ATS), per outlet short circuit isolation, per outlet power metering, per outlet and per

White Paper Power Distribution Units (PDUs) in Data Centers

Intelligent PDUs have seen rapid adoption, evolving over the past 20 years to include features like clustering (sharing network ports) and high-retention outlets to prevent disconnections.

EL2P Intelligent Power Distribution Unit

Managing and installing a rack power distribution unit (PDU) has never been easier than with the EL2P PDU. Designed to simplify deployment and take stress out of

Intelligent PDU | nVent DATA-SOLUTIONS

Changing your location may affect product availability. Certain products may not be available in all international regions. Current Selected Country: United States |English . Africa . Asia . Europe . Latin

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.

Data Center Rack PDU Market Demand Forecast Driven by Smart

The Data Center Rack PDU Market was valued at USD 486 Million in 2025 and is projected to reach USD 1.05 Billion by 2035, growing at a CAGR of 8% from 2027 to 2035. Market growth is

Contact Us

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