



Price of Indoor Intelligent Power Distribution Box for Data Centers

Article Overview

Indoor intelligent PDUs for data centers typically range from \$500 to \$3,000 per unit, depending on features, outlet density, and monitoring capabilities.

Overview

Intelligent Power Distribution Units (iPDUs) are critical for managing power in data centers, providing real-time monitoring, remote control, and environmental sensing to ensure uptime and efficiency . Prices vary widely based on several factors:

- o Outlet Type and Density: Units with combination outlets (C13/C15/C19/C21) or high-density configurations cost more due to flexibility and scalability .
- o Monitoring and Control Features: iPDUs with remote monitoring, hot-swappable controllers, and network connectivity (Ethernet/RS485) are priced higher than basic or metered PDUs .
- o Rack Compatibility: Vertical or horizontal mounting, as well as support for high-density racks, can influence cost .
- o Environmental Sensors: Units with integrated temperature, humidity, and power usage sensors add to the price .
- o Brand and Customization: Leading vendors like nVent, ABB, Panduit, and Elcom offer premium pricing for custom configurations, cyber-secure features, and post-sale support .

Typical Price Ranges

- o Basic Metered PDUs: \$500-\$1,000 per unit, suitable for small racks or less critical loads .
- o Standard Intelligent PDUs: \$1,000-\$2,000 per unit, offering remote monitoring, outlet control, and environmental sensing .
- o High-Density or Advanced iPDUs: \$2,000-\$3,000+ per unit, designed for AI workloads, high-density racks, or fully customizable configurations with advanced cybersecurity and energy management features .

Additional Considerations

- o Bulk Purchases: Large-scale deployments may reduce per-unit cost through volume discounts.
- o Maintenance and Upgrades: Hot-swappable controllers and modular designs can reduce downtime but may increase initial investment .
- o Energy Efficiency: Intelligent PDUs can improve Power Usage Effectiveness (PUE), potentially offsetting higher upfront costs through operational savings . In summary, while exact pricing depends on vendor, configuration, and features, expect to budget between \$500 and \$3,000 per indoor intelligent PDU, with



Price of Indoor Intelligent Power Distribution Box for Data Centers

advanced, high-density units at the upper end of the range.

With 4 to 15 outlets, our PDUs provide tailored power distribution for servers, switches, UPS systems, and other IT equipment.

Our in-cabinet-mounted Power Distribution Units (PDUs) are manufactured from high-quality components to support all your mission

RALEIGH, NC. Intelligent power management company Eaton today announced a new, innovative rack power

High Density Cyber Secure iPDU Introducing the industry's most innovative energy metering rack power distribution units (PDUs)

Concerns with rising energy costs are driving operators of data centers and other networking

Distribution box The precision power distribution cabinet is an intelligent power distribution cabinet that

Litech is a licensed switchboard manufacturer that designs a full range of power distribution boards for data centers, including Main

A Practical Buyer's Guide Introduction When a data center contractor, telecom integrator,

By leveraging intelligent features such as remote monitoring, metering, switching, and environmental sensing, an Intelligent PDU

Deploy prefabricated, plug-and-play power distribution modules to bring power online faster. Reduce complexity, construction time

Smart PDU Power Distribution Unit includes industrial PDU solutions and smart solutions for data centers. Elcom International has

Gopower is a manufacturer of industrial ac/dc electrical power distribution box/board transformer power

Intelligent power distribution units are sometimes referred to as iPDUs are an IP networked device that can be used to increase the

Shop Rack Power Distribution Units (PDUs) at Server Racks Online. Explore rack-mounted, vertical,



Price of Indoor Intelligent Power Distribution Box for Data Centers

horizontal, intelligent, and surge

Enter the Panduit G5 Intelligent Power Distribution Unit (iPDU) featuring 4-in-1 outlets - a game-changer designed to revolutionize

Today, power distribution boxes are used in a wide variety of settings, from residential homes and small

Web: <https://www.kremgroup.co.za>

