

Price quote for intelligent power distribution cabinets in universities



Overview

How Much Does a Precision Power Distribution Cabinet Cost?

Pricing. Learn what affects the cost of a precision power distribution cabinet, including rate.

Key Takeaways

Intelligent power distribution cabinets for universities typically range from \$1,500 to \$10,000+ per unit depending on features, capacity, and customization.

Overview

Intelligent power distribution units (PDUs) and cabinets are essential for university data centers, research labs, and high-performance computing (HPC) clusters. They provide reliable, high-density power distribution, advanced monitoring, and remote management capabilities, ensuring uptime and energy efficiency for critical IT infrastructure. Key Features

High-Density Power: Some units support up to 90kW per rack, suitable for HPC, AI research, and computational labs.

Remote Monitoring & Management: Smart PDUs allow real-time tracking of power usage, outlet-level control, and alerts for overloads or spikes.

Security & Compliance: Digital and physical security features, including access-controlled doors and asset management tags, help meet regulatory standards like PCI DSS, HIPAA, and GDPR.

Environmental Monitoring: Sensors for temperature, humidity, and airflow optimize energy efficiency and prevent downtime.

Flexible Configurations: Options include vertical, horizontal, and rack-mounted PDUs with various outlet types (C13, C19, slide-locking) and input voltages (208V single-phase, 415V three-phase),.

Factors Affecting Price

Power Capacity: Higher kW ratings and three-phase configurations increase cost. Intelligence & Monitoring: Units with advanced metering, remote management, and alert systems are more expensive. Customization: Tailored cabinets for specific rack sizes, outlet types, or environmental monitoring add to the price.

Brand & Warranty: Established brands like Raritan, Belden, and Elecnova may charge premium prices for reliability and support.

Typical Price Range

Basic Smart PD

U: \$1,500–\$3,000 per unit for standard rack-mounted units with basic monitoring.

High-

Density Intelligent Cabinets: \$5,000–\$10,000+ per unit for 30kW+ three-phase PDUs with advanced monitoring, security, and environmental sensors.

Recommendation

For universities, it is advisable to request a formal quote from vendors like Raritan, Elecnova, or Intellinet Solutions, specifying: Rack size and number of outletsPower requirements (kW per rack)Monitoring and management featuresSecurity and compliance needs This ensures the solution meets both technical and budgetary requirements while supporting mission-critical research and IT operations.

Article Content

How Much Does a Precision Power Distribution Cabinet Cost? Pricing ...

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Q How fast can power distribution cabinets & boxes be delivered for wholesale orders? Delivery speed for power distribution cabinet & box depends on order size, OEM specs, and factory

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Based on the current status of the development of power distribution cabinet, as well as the current intelligent power network technology and intelligent equipment needs, this paper through the analysis

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