Standard Price for Data Center Power Distribution Boxes



Overview

Amazon.com: Power Distribution BoxBrowse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solution.

Key Takeaways

A power distribution box in a data center typically costs between $1,000 for a basic unit and $20,000 or more for a fully featured smart cabinet.

Cost Range and Factors

The price of a data center power distribution box varies widely depending on its specifications and features. A basic low-voltage cabinet with incoming protection and branch breakers may cost around $1,000–$5,000. More advanced units designed for data centers, financial facilities, or telecom hubs can range from $10,000 to $20,000 or higher, especially if they include: Branch circuit monitoring and meteringTouchscreen interfaces and communication modulesAlarm outputs and remote monitoring capabilitiesRedundant A/B power architectureHigh-quality breakers and componentsCustom cabinet size, ventilation, and IP rating Two cabinets of the same external size can have drastically different prices depending on these features.

Context in Data Center Budgets

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Electrical infrastructure is one of the largest cost components in a data center. For a standard facility, electrical systems including power distribution can account for $3–5 million per MW of IT load in construction costs. While this includes switchgear, cabling, and distribution panels, individual power distribution boxes are a smaller fraction of this total but critical for reliability and monitoring.

Practical Considerations

When budgeting for a data center: Customization matters: Cabinets with advanced monitoring, remote communication, or future expansion capabilities are significantly more expensive. Installation and shipping: Costs vary depending on location, labor, and project scope. Compliance: Cabinets are often built to IEC 61439 standards for low-voltage assemblies, which can affect pricing.

In summary, a basic power distribution box may cost a few thousand dollars, while a smart, fully featured data center cabinet can exceed $20,000, with the final price influenced by capacity, monitoring, redundancy, and customization requirements.

Article Content

Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for construction and emergency use.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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