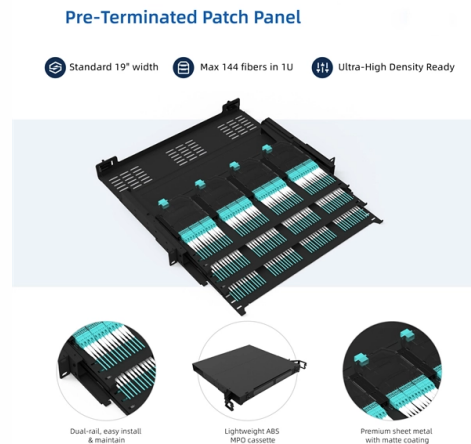


Price of Large Computer Room Power Distribution Boxes



AI Overview

The installation cost of a large computer room power distribution box (PDU) typically ranges from \$5,000 to \$25,000 or more, depending on specifications, complexity, and labor requirements. Equipment Costs Large PDUs or distribution boxes for data centers vary widely in price based on features and capacity. Basic rack-mounted PDUs may start around \$500-\$1,500, while advanced metered or intelligent units with monitoring, remote control, and high-capacity three-phase support can cost \$5,000-\$15,000 or more per unit. Factors influencing cost include: Voltage and amperage ratings Number of circuits and outlets (up to 48 or more) Single-phase vs. three-phase power Monitoring and smart management features Environmental ratings (indoor vs. weather-resistant outdoor enclosures) Customization (color-coded sockets, mounting options, integration with building management systems), Installation Costs Installation involves labor, wiring, and compliance with electrical codes. For commercial or data center environments: Labor typically accounts for 40-60% of total electrical costs Electrician rates range from \$65 to \$140 per hour, depending on region and complexity Installation may require site surveys, conduit routing, breaker setup, and UPS integration For a large computer room, installation can take hundreds of labor hours, especially if multiple PDUs or high-redundancy setups are required For a mid-sized data center, total installation costs (equipment + labor) generally fall between \$5,000 and \$25,000, with high-end, fully monitored, three-phase systems potentially exceeding \$30,000. Factors Affecting Total Cost Project complexity: More circuits, redundancy, or intelligent monitoring increases cost Regional labor rates and permits: Urban areas or unionized regions may be more expensive Integration with existing infrastructure: Retrofitting older rooms may require additional conduit, bre...

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