

Price of Low-Voltage Power Cabinet in Computer Room



AI Overview

Low-voltage power cabinets for computer rooms typically range from \$1,000 to \$10,000 or more depending on size, capacity, and customization.

Pricing Overview

The cost of a low-voltage (LV) power cabinet depends on several factors:

- Type and Size:** Standard freestanding or wall-mounted cabinets for small server rooms may start around \$1,000–\$2,500, while larger modular or high-capacity cabinets can exceed \$5,000–\$10,000.
- Amperage and Components:** Cabinets with higher amperage ratings (e.g., 6300A ACB panels) or advanced components like MCCBs, bus bars, and monitoring units increase the price.
- Customization:** Custom-built cabinets with integrated monitoring, surge protection, or environmental controls (temperature, humidity) can significantly raise costs.
- Security Features:** For computer rooms requiring secure access, cabinets with electronic locks, audit trails, and tamper-proof designs may add \$500–\$2,000 per unit.
- Accessories:** Additional shelves, cable management, and power distribution units (PDUs) for server racks can add several hundred dollars per cabinet.

Typical Use Cases

- Small Office or Server Room:** Single freestanding LV cabinet with basic distribution and surge protection.
- Medium Data Center:** Modular cabinets with multiple circuits, monitoring, and environmental controls.
- High-Security or Large Data Center:** Custom-built cabinets with high amperage, advanced monitoring, and secure access features.

Recommendations

- Obtain Quotes:** Prices vary widely by manufacturer and region. Contact suppliers like NKD Group, Jingjin Equipment, or specialized data center cabinet providers for exact quotes.
- Consider Total Cost:** Include installation, wiring, and optional monitoring or security features in your budget.
- Compliance:** Ensure cabinets meet standards such as BS EN 61439 for safety and reliability. By...

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