

Cost of replacing the smart power distribution cabinet in the exhibition hall



AI Overview

Replacing a smart power distribution cabinet in an exhibition hall typically ranges from \$5,000 to \$25,000 or more, depending on size, components, and smart features.

Cost Components

- **Material Costs** The cabinet enclosure can be made of steel, stainless steel, or plastic. Steel plates generally cost around 100–200 yuan per square meter, stainless steel 200–400 yuan, and plastic 50–150 yuan per unit. The choice of material affects durability, aesthetics, and price .
- **Component Costs** Inside the cabinet, components include circuit breakers, contactors, relays, fuses, power supplies, and transformers. Small breakers may cost a few dollars, while large-frame breakers or advanced smart modules can reach several thousand dollars. Smart cabinets with monitoring, remote control, and digital displays increase the cost significantly .
- **Processing and Assembly Fees** Cutting, welding, spraying, and assembly fees depend on manufacturer technology and production efficiency. These fees are negotiated with suppliers and can add a substantial portion to the total cost .
- **Installation Costs** Commercial installation costs vary by hall size, complexity, and local labor rates. For a medium-sized exhibition hall, installation may range from \$1,500 to \$5,000, including wiring, mounting, and integration with existing systems .

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