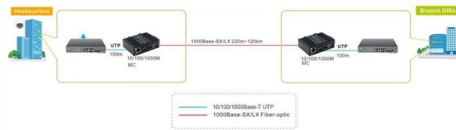


Price of Power Distribution Box Components



Article Overview

The cost of power distribution box components varies widely, ranging from \$10-\$500 for standard residential parts to \$1,000-\$5,000 or more for industrial or high-voltage units, depending on specifications and materials.

Residential and Commercial Components

Standard residential distribution boxes typically include enclosures, circuit breakers, fuses, and terminal blocks. Prices for these components are influenced by voltage rating, amperage capacity, number of circuits, and material construction. Basic single-phase residential units can cost \$50-\$200, while more complex three-phase commercial units may range from \$300-\$1,000 due to higher capacity and additional safety features such as surge protection and arc fault detection .

Industrial and High-Voltage Components

Industrial and high-voltage power distribution boxes, including High Voltage Power Distribution Units (HV PDUs), are designed for heavy-duty applications and often include aluminum or PA6 enclosures, environmental sealing up to IP69K, and integrated safety mechanisms. Prices for these units can range from \$1,000 to \$5,000 or more, depending on customization, voltage range (60-1000 VDC), and additional features like connectors, fuses, and relays .

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