

Price of large secondary distribution boxes for construction sites



AI Overview

Secondary distribution boxes for construction sites typically range from \$200 to \$1,500 or more, depending on capacity, features, and durability.

Overview

Secondary distribution boxes are essential for safely distributing electricity from the main supply to multiple tools and equipment on construction sites. They are designed to handle varying voltages (commonly 110V or 240V), multiple outlets, and harsh environmental conditions, including dust, moisture, and impact. These boxes can be standard passive enclosures or advanced smart units with IoT sensors, arc-fault detection, and remote monitoring capabilities.

Price Factors

The cost of a secondary distribution box depends on several key factors:

- **Voltage and Amperage Capacity:** Higher voltage or three-phase units for heavy-duty equipment are more expensive than single-phase, low-voltage units.
- **Number of Outlets:** Boxes with more outlets (e.g., 6-way or 8-way) cost more than compact 4-way units.
- **Material and Build Quality:** Weatherproof, impact-resistant enclosures (IP65 or higher) and corrosion-resistant alloys increase the price.
- **Safety Features:** Advanced circuit protection, thermal overload protection, and arc-fault detection add to the cost.

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