

Price of electrical distribution boxes for construction sites and factories



AI Overview

Construction site electrical distribution boxes typically range from \$200 to over \$2,000 depending on capacity, material, and features. Overview of Pricing The cost of construction site distribution boxes varies widely based on amperage rating, number of circuits, material, and additional safety features. Standard pre-wired site boxes for small to medium projects often start around \$200-\$500, while larger, high-capacity units with three-phase connections, multiple sockets, and advanced protection can exceed \$1,500-\$2,000 per unit (Sunnom, One-Elec, Palazzoli). Factors influencing price include:

- Amperage capacity:** Boxes rated from 32A to 4000A are available, with higher amperage units costing significantly more (Blakley Electrics).
- Material and durability:** Fiberglass, thermoplastic, or sheet steel enclosures with IP65-IP67 ratings for dust and water resistance are more expensive than basic indoor-rated boxes (DirectIndustry, One-Elec).
- Safety features:** Integrated circuit breakers, differential switches, emergency stop buttons, and fire-resistant backrests increase cost (One-Elec, Palazzoli).
- Customization:** Pre-wired assemblies, wall-mounted or portable designs, and compatibility with specific site requirements can add to the price (Blakley Electrics, Palazzoli).

Typical Applications

- Small construction sites or temporary setups:** Single-phase boxes with a few sockets for lighting and power tools.
- Medium to large sites:** Three-phase distribution boards with multiple circuits for heavy machinery and site-wide power.
- Special events or outdoor markets:** Portable, weatherproof, and reusable units like ENERGYBOX assemblies (Palazzoli).

Additional Considerations

- Installation and maintenance:** Costs may increase if professional installation or periodic inspections are required.
- Rental options:** Some suppliers offer temporary site boxes for rent, which can be cost-effective for short-term projects. Le...

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