Price of Factory Electrical Boxes and Distribution Boxes

Overview

Power Distribution Cabinet & Box Price Guide: OEM Getting the right power distribution cabinet & box can make or break your electrical setup. Compare price.

Key Takeaways

Factory electrical distribution boxes typically range from $50 for small residential units to over $2,000 for industrial-grade, fully equipped enclosures.

Price Ranges

Residential Units: Small single-phase boxes made of ABS plastic or basic steel can cost $50–$200, depending on size and included components such as circuit breakers or surge protectors. Commercial Units: Medium-capacity boxes with three-phase configurations, powder-coated steel, or additional safety features generally range from $300–$1,000. Industrial Units: Large stainless steel or outdoor-rated enclosures with high amperage capacity, modular busbars, and advanced monitoring systems can exceed $2,000, especially when customized for OEM requirements.

Factors Affecting Cost

Material Construction: ABS plastic is cheaper, while powder-coated or stainless steel enclosures increase durability and price. Internal Components: Empty shells are less expensive; adding high-quality breakers, surge protectors, and busbars raises the cost significantly. Voltage and Amperage Ratings: Higher capacity boxes for heavy-duty applications cost more.

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Customization: Factory OEM options, such as logo embossing, top cable entry modifications, or integration with building management systems, can increase pricing. Environmental Ratings: Outdoor or weather-resistant boxes carry premium pricing compared to indoor-rated units. Order Volume: Wholesale or bulk orders reduce per-unit cost, while custom small orders are more expensive.

Additional Considerations

Installation and Maintenance: Initial purchase is only part of the total cost; professional installation and periodic maintenance add to the overall investment. Longevity: High-quality units can last 25–40 years, though internal components may need replacement every 10–15 years. Energy Efficiency: Advanced units with smart monitoring and load management may have higher upfront costs but can reduce long-term operational expenses.

For precise pricing, it is recommended to contact manufacturers or distributors directly to obtain quotes based on your specific requirements, including size, material, capacity, and customization options.

Article Content

Power Distribution Cabinet & Box Price Guide: OEM

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Distribution Boxes – C Power

DB boxes, also known as Distribution Box, are essential components in any electrical system. They serve as the main hub for distributing electrical power safely and efficiently to various parts of a

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