

How to quote a price for electrical distribution box protection

Article Overview

The cost of an electrical distribution box varies widely based on size, material, protection features, and customization, with prices ranging from \$50 for basic residential units to several hundred dollars for advanced commercial or industrial models.

Factors Affecting Price

- o **Material and Construction:** ABS plastic boxes are common for indoor/outdoor use and offer IP65 waterproof protection, while metal enclosures provide higher durability and fire resistance .
- o **Capacity and Circuits:** Residential boxes with 12-24 ways are typically less expensive, whereas commercial or industrial boxes with higher amperage and multiple circuits cost more .
- o **Protection Features:** Integrated circuit breakers, surge protection, and insulation design increase safety and influence pricing .
- o **Environmental Rating:** Weatherproof or IP-rated enclosures for outdoor installations carry premium pricing .
- o **Customization:** Options like specific mounting configurations, labeling, busbar fitment, or OEM branding can significantly affect the quote .
- o **Smart Features:** Advanced units with remote monitoring, energy management, or digital displays are priced higher but offer long-term operational savings .

Typical Price Ranges

- o **Basic Residential Units:** \$50-\$150, suitable for single-phase or small multi-circuit setups .
- o **Commercial/Industrial Units:** \$200-\$600+, depending on size, material, and integrated safety or monitoring features .
- o **Custom or High-End Smart Boxes:** Prices vary widely; requesting a personalized quote is recommended for accurate budgeting .

How to Get a Quote

- o **Provide Project Details:** Specify whether the installation is residential, commercial, or industrial, the number of circuits, and any environmental or safety requirements .
- o **Select Features:** Decide on material, IP rating, protection devices, and optional smart monitoring.
- o **Request a Personalized Quote:** Many suppliers, such as Coloria, offer detailed, no-obligation quotes including all costs, delivery, and installation guidance .
- o **Consider Bulk Orders:** Wholesale or larger orders may reduce per-unit costs, especially for modular or OEM-customized boxes . By considering these factors and consulting suppliers directly, you can obtain a transparent, tailored price quote for electrical distribution box protection that meets your project's safety and operational requirements.



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