

# Price of Electrical Boxes and Distribution Boxes for Sale

## Article Overview

The price of electrical and distribution boxes varies widely, typically ranging from \$0.50 for basic residential boxes to several hundred dollars for industrial or custom factory distribution boxes.

## General Price Ranges

- o Residential Electrical Boxes: Standard single-gang plastic boxes cost around \$0.50 to \$3, while metal boxes or specialized boxes (tamper-resistant, deeper for wiring) range from \$5 to \$8 per unit .
- o Distribution Boxes / Panels: Basic low-voltage distribution boxes for homes or small commercial setups typically start at \$50-\$150, depending on the number of circuits, material, and safety features .
- o Industrial or Factory Distribution Boxes: Larger, custom, or high-capacity boxes, including prefabricated substations or IP65/IP66-rated enclosures, can range from \$200 to \$1,000+, especially for metal enclosures with advanced features like surge protection, modular design, or automation control .

## Factors Affecting Price

- o Material: Plastic boxes are cheaper, while steel or stainless steel enclosures are more expensive due to durability and compliance with industrial standards .
- o Size and Capacity: Larger boxes with more circuits or higher amperage ratings cost more. Multi-gang or deep boxes for complex wiring increase material and labor costs .
- o Features: Waterproofing (IP65/IP66), tamper resistance, surge protection, smart monitoring, and modular designs add to the price .
- o Installation Type: New construction boxes are generally cheaper than retrofit boxes, which may require additional labor or modifications .
- o Customization: Factory-direct or OEM/ODM custom boxes, including sheet metal fabrication, laser cutting, or specific industrial configurations, can significantly increase costs .

## Practical Considerations

- o Safety and Compliance: Higher-priced boxes often include built-in circuit protection, arc fault detection, and compliance with IEC or local electrical standards, which is critical for industrial or commercial applications .
  - o Longevity and Maintenance: Investing in durable materials and protective features reduces long-term maintenance costs and improves operational safety .
  - o Bulk Purchasing: Wholesale or factory-direct purchases can lower per-unit costs, especially for large projects or industrial installations .
- In summary, basic residential electrical boxes are inexpensive, while industrial or custom distribution boxes can be several hundred dollars each, with price influenced by material, size, features, and installation requirements. Evaluating these factors helps balance cost with safety, durability, and functionality.



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