

Unit cost of distribution box



Article Overview

The unit cost of a distribution box varies widely, ranging from as low as \$10 for basic residential units to over \$2,000 for high-capacity industrial or specialized boxes.

Cost Ranges by Type

- Residential Distribution Boxes: Basic single-phase plastic or metal boxes typically cost \$10–\$100, depending on size, material, and brand, while more advanced residential panels with multiple circuits or smart features can reach \$200–\$500 .
- Industrial and Commercial Boxes: High-capacity three-phase units, often made of steel or stainless steel with integrated breakers and safety features, range from \$200 to over \$2,000 per unit .
- Specialized Units: Septic system distribution boxes, portable boxes for events, or generator transfer switches can cost \$20–\$1,500, depending on complexity and durability .

Factors Affecting Unit Cost

- Material: Plastic is cheapest, metal (steel or aluminum) is more durable, and stainless steel or powder-coated enclosures command premium prices .
- Capacity and Features: Number of circuits, amperage rating, surge protection, smart monitoring, and remote control capabilities increase cost .
- Installation and Labor: Professional installation can add \$1,300–\$1,800 for standard residential upgrades, with industrial setups costing significantly more due to labor, permits, and rewiring .
- Environmental and Compliance Ratings: Weatherproof or IP-rated boxes for outdoor use, and units meeting UL, CE, or CCC certifications, are priced higher

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Per-unit considerations: panel size is often described in amps (e.g., 100A, 200A) with breakers per circuits as needed.

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Contact Us

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