

Price of household electrical control boxes and distribution boxes



AI Overview

Household electrical distribution boxes range from \$6 for basic plastic single-gang units to over \$2,000 for industrial-grade stainless steel panels with advanced components.

Typical Residential Boxes

- Single-gang plastic boxes: \$6–\$25 for the box itself; total installed cost including labor typically \$75–\$150 depending on accessibility and wiring complexity.
- Metal or weatherproof single-gang boxes: \$20–\$100 for the box; total installed cost \$150–\$300 or more, especially for outdoor or upgraded models.
- Multi-gang or deeper boxes: Prices increase with size and number of circuits; plastic multi-gang boxes may cost \$10–\$50, while metal versions can reach \$100–\$200.

Breaker Panels and Main Distribution Boxes

- Standard residential breaker panels: 100–200 amp panels typically range from \$100–\$500 for the panel alone, depending on brand and features. Installation costs can add \$200–\$600 or more, influenced by labor rates and complexity.
- Smart or advanced panels: Panels with digital monitoring, remote control, or integrated surge protection can cost \$500–\$1,500 or higher.

Industrial or High-End Distribution Boxes

- Stainless steel or heavy-duty units: Prices can exceed \$2,000, especially when including high-quality circuit breakers, surge protectors, and busbars.
- Outdoor or corrosive environment boxes: Weather-resistant or chemical-resistant enclosures carry premium pricing due to durability requirements.

Factors Affecting Price

- Material:** Plastic is cheapest, steel or aluminum more durable, stainless steel highest cost.
- Number of circuits:** More circuits require larger boxes and more internal components.
- Installation complexity:** Retrofits, conduit upgrades, or difficult access increase labor costs.
- Features:** Tamper resistance, GFCI compatibility, smart monitoring, and energy management systems add to the price.
- Environmental rating:** Higher ratings (e.g., NEMA 3R, 4X) increase cost.

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