Price of household electrical distribution boxes and related equipment



Overview

Explore distribution box cost factors, safety features, and budget solutions. Learn how to select the right panel for your needs and budget.

Key Takeaways

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 BoxesSingle-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.

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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: Outdoor, weatherproof, or corrosive-resistant boxes are more expensive. Investing in quality distribution boxes ensures long-term safety, durability, and compliance with electrical codes, often reducing maintenance costs over decades.

Article Content

Distribution Box Cost Guide: Value & Features

Explore distribution box cost factors, safety features, and budget solutions. Learn how to select the right panel for your needs and budget.

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A well-chosen distribution box ensures the safety and efficiency of your household electrical system. This article guides you through selecting a distribution box.

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