Price list for residential electrical distribution boxes



Overview

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

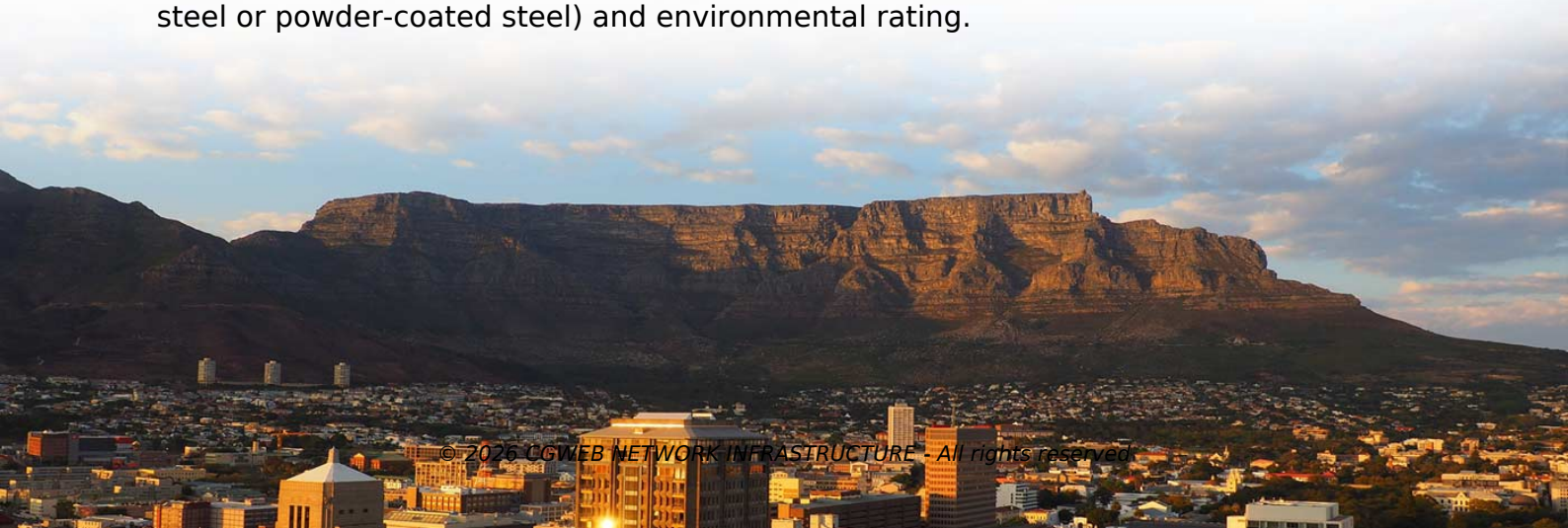
Key Takeaways

A complete residential electrical distribution setup typically costs between $1,000 and $3,000, depending on panel size, amperage, number of circuits, and installation complexity.

Material Costs

Residential distribution boxes, also called breaker panels or consumer units, vary in price based on amperage, number of circuits, and brand: Standard 100–125 Amp panels: $100–$500 for the panel itself, including basic breakers and cover (plastic or thin steel enclosures). 200 Amp panels: $200–$600 for main breaker panels with 30–40 spaces and 60–80 circuits, often including surge protection and plug-on neutral features. Premium or smart panels: $600–$1,200 for units with advanced monitoring, remote control, or hybrid features.

Outdoor or weatherproof enclosures: $250–$600 depending on material (stainless steel or powder-coated steel) and environmental rating.



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Installation and Labor Costs

Professional installation is essential for safety and code compliance: Basic installation (single panel, indoor, standard wiring): $500–$1,500. Upgraded service or 200 Amp panel: $1,300–$1,800 including minor wiring adjustments and permits. Complex setups (multiple subpanels, outdoor installation, full rewiring): $2,000–$3,000 or more.

Labor rates typically range from $50–$150 per hour, with a standard residential panel installation taking 4–12 hours depending on complexity.

Permits and Additional Costs

Permits and inspections: $50–$300 for standard residential work, potentially higher in urban areas. Materials and hardware: $100–$350 for breakers, wiring, conduit, and mounting accessories. Delivery and disposal: $25–$75 for shipping and removal of old panels.

Optional upgrades: Surge protection, GFCI/AFCI breakers, or smart monitoring can add $100–$500.

Real-

World Examples

Basic 100 Amp indoor panel: Total cost $1,000–$1,400 including materials, labor, and minor permits. Mid-range 200 Amp upgrade: Total cost $2,000–$3,000 with upgraded conductors, main breaker, and minor relocation. Premium 400 Amp outdoor panel with subpanels: $4,000–$7,000 including full rewiring, permits, and high-end components.

Key Considerations

Choose a panel with sufficient amperage and circuit spaces for current and future needs. Indoor vs. outdoor installation affects material and labor costs. Brand and quality influence durability and long-term maintenance; premium panels reduce replacement frequency.

Always hire a licensed electrician to ensure safety and compliance with local codes. In summary, a complete residential electrical distribution setup, including panel, breakers, and professional installation, generally ranges from $1,000 for a basic 100 Amp panel to $3,000 for a 200 Amp upgrade, with premium or complex installations exceeding $4,000 depending on features and site conditions.

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