

How much does a single-story electrical distribution box cost



Overview

Electrical Box Cost Guide: How Much Do Boxes Price Each Prices for electrical boxes vary by region due to material costs and local labor rates. In the North.

Key Takeaways

A typical single-story residential electrical distribution box costs between \$150 and \$1,500, including parts and installation, depending on size, amperage, and features. Price Range and Components

For a standard single-family home, the cost of a new panel or distribution box generally falls between \$150 and \$1,900, with most projects landing between \$450 and \$1,500 when including labor, wiring, and breakers . The price depends on several factors:

- Amperage rating: Common residential services range from 100 to 200 amps; higher amperage increases cost .
- Material and type: Plastic boxes are cheaper, while metal or weatherproof boxes for outdoor use are more expensive .
- Number of circuits: More spaces for breakers or additional sub-panels raise the price .
- Installation complexity: Labor costs vary by region, accessibility, and whether wiring upgrades are needed .

- Additional features: Smart monitoring, tamper resistance, GFCI compatibility, or integration with building management systems can increase the upfront cost .

Typical Costs by Box Type

- Basic single-gang plastic box: \$6-\$25 for the box itself, with labor adding \$75-\$150 for straightforward installation .
- Metal or weatherproof boxes: \$50-\$200 for the box, with total installation costs ranging \$150-\$300 or more depending on labor and upgrades .
- Full residential panel (100-125 amp): \$450-\$1,500 including breakers, wiring, and professional installation .

Additional Considerations

- Outdoor vs indoor installation: Weather-resistant enclosures cost more due to durability and safety requirements .
- Permits and code compliance: Local regulations may require inspections or permits, adding to the total cost .
- Energy efficiency and monitoring: Advanced panels with load management or digital displays may have higher upfront costs but can reduce long-term energy expenses . Investing in a quality distribution box ensures safety, durability, and compliance with electrical codes, while also potentially lowering long-term maintenance costs .

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