

Price of the enclosure for installing a distribution box



Overview

New Panel Box Cost Guide 2026 – LatestCost – Real-Time Price The cost of a new panel box depends on the box size, meter/branch requirements, enclosure type.

Key Takeaways

The total cost for installing a distribution box enclosure typically ranges from \$200 to \$6,000 depending on size, amperage, location, and complexity of installation. Typical Cost Ranges

- Small residential panels (100–125A, indoor): Total cost including the box, basic wiring, and installation usually falls between \$600 and \$1,200 .
- Larger residential or commercial panels (200A, outdoor): Costs can range from \$1,900 to \$6,000, especially if a new meter socket, main disconnect, or rewiring is required .
- Basic electrical boxes for small projects: Standard single-gang or 4-inch square metal boxes with basic wiring may cost \$60–\$180 for materials, plus \$85–\$125 per hour for labor . Multi-gang or feed-through boxes with additional breakers can increase costs to \$200–\$600, excluding labor .

Factors Affecting Installation Costs

- Amperage and panel size: Higher amperage panels require more robust enclosures and additional breakers, increasing both material and labor costs .



- Indoor vs outdoor installation: Outdoor or weather-resistant enclosures are more expensive due to durability and compliance requirements .
- Labor complexity: Installation time varies from 6-18 hours depending on panel type, wiring accessibility, and whether structural modifications are needed .
- Additional components: Costs rise if a new meter socket, smart meters, or surge protection is included .
- Regional labor rates and permits: Urban areas or regions with higher electrician rates may add 5-15% to the total cost, while rural areas may have lower labor but potential transport fees .

Practical Considerations

- Material quality: Investing in durable, code-compliant enclosures reduces long-term maintenance and safety risks .
 - Future expansion: Modular designs allow for additional circuits without replacing the entire panel, which can save costs over time .
 - Energy monitoring features: Smart distribution boxes with digital interfaces may have higher upfront costs but provide long-term energy efficiency benefits .
- In summary, the installation of a distribution box enclosure can vary widely based on amperage, location, labor, and additional features, with small residential setups starting around \$200-\$600 and larger, high-capacity outdoor systems reaching \$3,000-\$6,000 .

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