

Price of wiring in distribution box and electricity meter



Overview

The cost of replacing electrical panels and wiring can vary, depending on the type and who you hire.

Key Takeaways

Replacing or installing a distribution box and electricity meter, including wiring, typically costs between \$500 and \$6,000 depending on amperage, wiring length, and installation complexity.

Distribution Box Costs

The cost of a new distribution panel depends on amperage, location, and complexity. For a standard 100–125A indoor panel, expect \$1,200–\$2,500 for parts and labor, while a 200A outdoor upgrade with a new meter socket can reach \$3,000–\$6,000. Costs include the panel, breakers, wiring, and professional installation, with additional charges for structural work, conduit rerouting, or service upgrades .

Electricity Meter Costs

Replacing an electric meter box ranges from \$500 to \$2,100, depending on meter size, location, and installation complexity. Adding a separate electricity meter can cost \$1,400 to \$4,700, especially if new wiring or splitting the existing supply line is required. Meter box prices increase with amperage, and labor rates typically range from \$50 to \$130 per hour, plus a service call fee of \$100–\$200 .

Wiring Costs

Wiring from the meter to the breaker box (service entrance conductors) costs about \$225–\$500, including professional installation. Wire prices vary from \$1.50 to \$15 per foot, depending on type (copper or aluminum) and amperage requirements. For a typical home, 10–15 feet of wiring is usually needed, but longer runs or higher amp services increase costs. Rewiring a whole house can range from \$5 to \$17 per square foot, or \$2,500–\$6,000 for a basic 3-bedroom home .

Factors Affecting Total Cost

- Amperage: Higher amp panels and meters cost more.
 - Wire type: Copper is more durable but expensive; aluminum is cheaper but less conductive.
 - Labor rates: Vary by region and electrician experience.
 - Permits and inspections: Typically \$50–\$350 depending on local codes.
 - Complexity: Structural modifications, rerouting, or service upgrades increase costs.
- In summary, a basic replacement of a distribution box, meter, and connecting wiring can start around \$500–\$1,500 for small upgrades, while full-service upgrades with higher amperage and rewiring can reach \$6,000 or more, depending on materials, labor, and local regulations .

Article Content

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Key cost drivers include panel amperage, indoor vs outdoor location, wiring length, and whether a full panel upgrade or

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