

What price is used to represent a secondary distribution box



Overview

How much does a secondary distribution box cost? A secondary distribution box typically costs between \$1,100 and \$4,500 on-site, depending on amperage, enclosure type, and features.

Key Takeaways

The price of a secondary distribution box typically ranges from \$200 to \$2,000 or more, depending on specifications, materials, and features.

Secondary distribution boxes, which step down power for final delivery to consumers, vary widely in cost. Small residential or basic units may start around \$200–\$500, while industrial-grade or high-capacity units with advanced safety and smart features can exceed \$2,000. Prices are influenced by:

- **Rated Current & Voltage:** Common ranges are 100–400A, 380V 3-phase; higher ratings increase cost.
- **Material & Build Quality:** Stainless steel or corrosion-resistant alloys for outdoor use are more expensive than basic ABS or coated steel.
- **Ingress Protection (IP) Rating:** Outdoor or harsh environments require IP44 minimum, with IP65 or higher for dust/water exposure, adding to the price.
- **Internal Components:** Boxes sold empty are cheaper; adding circuit breakers, surge protectors, and busbars increases cost.

- **Smart Features:** IoT sensors, remote monitoring, and load management capabilities raise the upfront investment .
 - **Certifications & Compliance:** IEC, UL, or regional standards compliance can affect pricing .
 - **Customization:** Modular designs, specific mounting configurations, or integration with building management systems can further increase cost .
- Additional Considerations**
- **Installation Costs:** Professional installation is required for safety and code compliance, which adds to the total cost .
 - **Longevity:** High-quality units can last 25–40 years, though internal breakers may need replacement every 10–15 years .
 - **Operational Efficiency:** Advanced units with energy monitoring may have higher upfront costs but can reduce long-term energy and maintenance expenses . In summary, when budgeting for a secondary distribution box, expect \$200–\$2,000+ depending on capacity, materials, safety features, and smart functionalities. Careful selection based on your specific application ensures both safety and cost-effectiveness .

Article Content

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Sub-Panels: These act as secondary distribution boxes to extend the capacity of the main

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