

Price of secondary power distribution boxes for construction sites



Overview

Uline stocks a wide selection of Power Distribution Boxes. Order by 6 p.m. for same day shipping. Huge Catalog!

Key Takeaways

A secondary power distribution box for construction sites typically costs between \$62 and \$2,000, depending on size, features, and materials. Price Range

Temporary or construction-grade power distribution boxes, often called spider boxes, can cost as little as \$62 for basic models and up to \$811 for more robust temporary units available at retailers like Lowe's . For higher-capacity or industrial-grade secondary distribution boxes, prices can range from \$200 to \$2,000, depending on the enclosure material (plastic, powder-coated steel, or stainless steel) and the quality of internal components such as circuit breakers, surge protectors, and busbars .

Factors Affecting Cost

- **Material Quality:** Steel or stainless steel enclosures are more durable and resistant to environmental factors, while plastic boxes are cheaper but less robust .
- **Internal Components:** The number and quality of circuit breakers, fuses, and protective devices significantly influence the price .
- **Capacity and Circuits:** Higher amperage ratings and more circuits increase cost. Planning for future expansion can save money in the long term .

- **Technological Features:** Smart monitoring, surge protection, and modular designs add to the upfront cost but improve safety and efficiency .
 - **Installation and Labor:** Professional installation can be a major part of the total cost, especially for complex industrial setups, potentially adding thousands of dollars .
- Practical Considerations**
- **Temporary vs Permanent:** On construction sites, temporary boxes are common for powering tools and lighting. Permanent secondary distribution boxes are installed for long-term electrical management.
 - **Compliance and Safety:** Ensure the box meets local electrical codes and certifications (UL, CE, or CCC) to avoid safety hazards .
 - **Environmental Protection:** Check the IP rating to ensure the box is suitable for outdoor or harsh site conditions . In summary, a secondary power distribution box on a construction site can cost from under \$100 for a basic temporary unit to over \$2,000 for a high-capacity, industrial-grade or smart system, with additional costs for installation and compliance considerations. Choosing the right box involves balancing upfront cost with durability, safety, and future scalability .

Article Content

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