

RIVO MULTITRADE OPTICAL SYSTEMS

How much is an industrial power distribution box



Overview

Power Distribution Boxes in Stock Over 45,000 products in stock. 14 locations across USA, Canada and Mexico for fast delivery of Power Distribution Boxes.

Key Takeaways

Industrial power distribution boxes typically range from a few hundred to several thousand dollars, depending on capacity, features, and customization.

Price Range Overview

The cost of an industrial power distribution box varies widely based on rated current, number of outgoing circuits, breaker brand, monitoring capabilities, cabinet size, IP rating, and customization requirements . Basic models for small equipment rooms or simple industrial setups may cost a few hundred to around \$1,000, while advanced cabinets for data centers, telecom hubs, or medical facilities with smart monitoring, touchscreen interfaces, redundant power architecture, and high-quality components can reach several thousand dollars .

Factors Affecting Cost

- **Rated Current:** Higher current ratings require larger copper busbars, stronger breakers, and better insulation, increasing cost .
- **Number of Circuits:** More outgoing circuits mean more breakers, terminals, wiring, and assembly time, which raises the price .

- **Material and Enclosure:** Industrial boxes may use ABS, steel, or other durable materials with IP44/IP54 ratings for safety in damp or outdoor environments .
- **Technological Features:** Smart monitoring, surge protection, modular designs, and communication modules add to the cost .
- **Customization:** Special designs for ventilation, cable entry, or future expansion can significantly affect pricing .

Examples of Industrial Boxes

- **Basic Industrial Socket Box:** Equipped with 220–250V two-core sockets and 380–415V five-core sockets, with built-in C16/C32 breakers, typically priced in the \$200–\$800 range .
- **Smart Data Center Cabinets:** With 48–72 monitored circuits, touchscreen interfaces, and redundant power, prices can exceed \$3,000–\$10,000 or more, depending on specifications .

Purchasing Considerations

When budgeting, consider installation costs, compliance with safety standards, and future scalability. Professional installation ensures optimal performance and longevity, making the initial investment worthwhile for operational efficiency and safety . For international projects, shipping, testing, and component brand selection can further influence the final cost .

In summary, industrial power distribution boxes are highly variable in price, ranging from a few hundred dollars for simple units to several thousand for advanced, customized solutions, with cost driven primarily by capacity, features, and technical requirements.

Article Content

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

