

Price of secondary power distribution box shell for construction site

Article Overview

Construction site power distribution box shells typically range from \$100 to \$600 depending on size, phase, and material.

Price Overview

- o Small single-phase boxes (110V, 20-60A, ABS or plastic shell) are generally priced around \$100-\$200 for ready-to-use units with basic outlets and circuit protection, as seen on Amazon .
- o Medium-duty single-phase or three-phase boxes with metal or fiberglass enclosures, multiple outlets, and higher amperage (up to 125A) usually cost \$250-\$400, depending on IP rating and customization .
- o Heavy-duty or custom three-phase boxes for large construction sites, industrial use, or hazardous environments can range from \$400-\$600 or more, especially if built to IP65-IP67 standards, with pre-wired internal doors, circuit breakers, and lockable enclosures .

Factors Affecting Price

- o Material: ABS plastic is cheaper, while sheet steel, fiberglass, or thermoplastic cabinets are more durable and expensive .
- o Phase and Load Capacity: Single-phase boxes are lighter and less costly; three-phase boxes for heavy machinery are pricier .
- o Waterproofing and Safety: IP54-IP67 ratings, GFCI/RCD protection, and circuit breakers increase cost .
- o Customization: Custom outlet configurations, internal doors, and pre-wired assemblies can add to the price .
- o Supplier and Shipping: Prices vary by supplier (Amazon, Alibaba, One-Elec, Lowe's) and shipping costs, especially for heavy-duty metal enclosures .

Recommendations

- o For small to medium construction sites, a single-phase ABS or fiberglass box around \$150-\$250 is usually sufficient.
- o For large sites or industrial applications, consider a three-phase metal or fiberglass box with IP65-IP67 protection, costing \$400-\$600.
- o Always check for built-in circuit breakers, GFCI protection, and lockable enclosures to ensure safety and compliance with NEC/OSHA standards .

By considering these factors, you can select a power distribution box shell that balances cost, durability, and safety for your construction site needs.



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