

RIVO MULTITRADE OPTICAL SYSTEMS

Price of Level 3 Electrical Distribution Box on Construction Site



Overview

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Key Takeaways

The price of a Level 3 Electrical Distribution Box for construction sites typically ranges from \$250 to \$600, depending on specifications, amperage, and features.

Level 3 distribution boxes are designed for direct power supply to small construction machinery, electric tools, and temporary lighting at construction sites. They are often three-phase, pre-wired, and equipped with copper wiring for higher current capacity, ensuring safe and reliable operation for multiple devices simultaneously. These boxes are commonly used for concrete vibrators, angle grinders, small water pumps, and other low-power machinery.

Price Factors

The cost of a Level 3 distribution box depends on several factors:

- **Amperage and Voltage:** Boxes with higher rated currents (e.g., 63A, 100A) or three-phase 380V supply are more expensive.
- **Material and Durability:** Enclosures made of sheet steel, fiberglass, or technopolymer with fire-resistant and weatherproof properties (IP65 or higher) command higher prices.

- **Sockets and Outlets:** Inclusion of industrial sockets, waterproof 5-hole sockets, or AC30 sockets increases cost .
- **Compliance and Safety Features:** Boxes meeting IEC 61439, IEC 60364, or other international standards may be priced higher due to certification and quality assurance .
- **Customization:** Pre-wired configurations, reserved circuits for emergency use, and optional energy meters can affect the final price .

Typical Price Range

- **Basic Level 3 Box** (32A-63A, standard sockets, basic enclosure): \$250-\$350
- **Mid-range Box** (63A-100A, three-phase, IP65 enclosure, multiple sockets): \$350-\$500
- **High-end Box** (customized, heavy-duty, fire-resistant, multiple circuits, energy meter included): \$500-\$600 or more

Additional Considerations

- **Installation Costs:** Depending on site conditions, installation may add \$50-\$150.
- **Maintenance:** Regular inspection and replacement of fuses or sockets may incur minor ongoing costs.
- **Supplier Options:** Suppliers like YiHe, Palazzoli, and BOSCKER offer pre-wired and modular solutions suitable for temporary or repeated use across multiple construction sites . In summary, when budgeting for a Level 3 Electrical Distribution Box, expect to pay \$250-\$600 for the unit itself, with the final cost influenced by amperage, material, safety features, and optional customization.

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