

Distribution Box for Outdoor Construction Sites Three-Level Box



Article Overview

A three-level distribution box is a robust, portable, and safe electrical solution designed to provide power distribution for outdoor construction sites, supporting tools, machinery, and temporary lighting.

Key Features

Construction and Materials: These boxes are typically made from 1.5 mm carbon steel or high-strength flame-retardant plastic, often with a powder-coated finish for corrosion resistance and high visibility outdoors. Many models feature rainproof tops, PU foamed sealing, and IP65 protection, ensuring dust and water resistance in harsh environments (Vililong) . **Portability:** Some boxes are designed with foldable carrying handles and pre-connected cables, allowing plug-and-play operation for temporary site setups (ebuy7) . **Electrical Configuration:**

- Main switch selection depends on the outgoing current of the Level 2 distribution box, typically ranging from 63A to 100A or higher (Alibaba) .
- **Sockets:** Options include industrial sockets, waterproof five-hole sockets, AC30 sockets, and terminal blocks. Three-phase systems may require 4-core or 5-core sockets depending on neutral line needs.
- **Wiring:** Copper wiring is commonly used for higher current capacity, with tidy, standardized layouts for easy maintenance (Alibaba) .
- **Safety Features:**
 - Leakage protection disconnects power within 0.1 seconds to prevent electric shock (ebuy7) ...

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Construction site handy gadget! three-level distribution box

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