

Box-type distribution boxes and cabinet-type distribution boxes



Article Overview

Box-type distribution boxes are compact, wall-mounted enclosures for local circuit distribution, while cabinet-type distribution boxes are larger, floor-standing units designed for centralized power management and higher capacity applications.

Key Differences

1. Size and Structure

- **Box-Type Distribution Boxes:** Smaller, typically wall-mounted, and designed for localized distribution of electricity to a few circuits. Common dimensions range from 65×65 mm to 361×254 mm for industrial or residential applications .
- **Cabinet-Type Distribution Boxes:** Larger, often floor-standing, and capable of housing multiple circuit breakers, busbars, and control devices. Standard heights include 1800 mm, 2000 mm, or 2200 mm, with non-standard sizes also available .

2. Functionality

- **Box-Type:** Primarily distributes power to branch circuits, protects wiring, and houses essential components like MCBs, RCCBs, busbars, and isolators. They are suitable for residential, small commercial, or localized industrial setups .
- **Cabinet-Type:** Handles centralized power distribution, integrates control systems, and may include PLCs, contactors, relays, and monitoring devices. They are used in industrial plants, substations, and large commercial buildings .

3. Installation and Mounting

- **Box-Type:** Wall-mounted or surface-mounted, easy to install and access, ideal for i...

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Contact Us

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