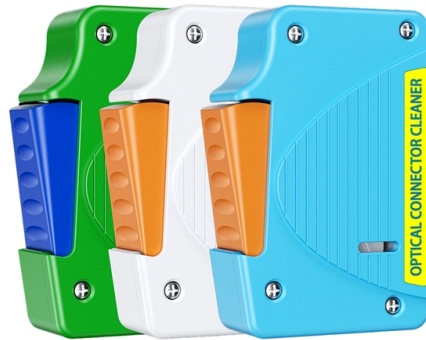


Distribution Box Quotation and Selection



Article Overview

Selecting the right distribution box requires matching your electrical load, environment, and safety requirements, while costs vary based on type, material, and features.

Types of Distribution Boxes

Distribution boxes (DB Boxes) serve as central hubs for safely distributing electrical power to multiple circuits. Key types include:

- Single-Phase DB Boxes: Ideal for residential or small commercial loads ().
- Three-Phase DB Boxes: Suitable for industrial or large commercial facilities requiring higher power capacity ().
- Lighting Distribution Boxes: Dedicated to lighting circuits.
- Power Distribution Boxes: Support sockets, equipment, and heavy machinery.
- Control Distribution Boxes: Integrate relays, contactors, and timers for automation ().
- Mounting Options: Surface-mounted for retrofits, flush-mounted for aesthetics, and pole-mounted for outdoor applications ().

Material Considerations

- Metal Enclosures: Cold-rolled steel provides high strength, fire resistance, and mechanical protection, ideal for industrial or high-load environments ().
- Plastic Enclosures (ABS or PC): Lightweight, corrosion-resistant, and suitable for residential or low-load applications. Flame-retardant plastics offer good fire resistanc...

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