

UAE High-Legged Distribution Box



AI Overview

High-legged distribution boxes in the UAE are robust electrical enclosures designed for safe power distribution in industrial, commercial, and construction environments, offering weatherproof, modular, and customizable solutions.

Overview A distribution box (DB), also known as a breaker panel or electrical hub, is a critical junction where incoming electrical supply is divided into subsidiary circuits. High-legged distribution boxes are elevated on legs to facilitate easier access, prevent water ingress, and allow installation in environments with uneven floors or outdoor conditions.

Key Features

- Material and Durability:** Constructed from high-impact carbon steel, stainless steel, or thermoplastic, these boxes are designed to withstand mechanical stress and harsh environmental conditions.
- Weatherproofing:** Many models come with IP65/IP66 ratings, ensuring protection against dust, water, and debris, making them suitable for outdoor or humid environments.
- Modular Design:** Supports DIN-rail mounting for MCBs, RCDs, and surge protectors, allowing flexible configuration and easy maintenance.
- Corrosion Resistance:** Advanced powder coating or passivation treatments extend the lifespan in corrosive atmospheres.
- Safety Compliance:** Industrial-grade boxes are often CPRI approved and meet international safety standards for overload, short circuit, and fault protection.

Applications High-legged distribution boxes are widely used across various sectors in the UAE:

- Construction Sites:** Temporary power distribution for heavy machinery and lighting.
- Industrial Plants:** Centralized control for manufacturing lines and automated equipment.
- Commercial Buildings:** Power management for HVAC systems, office infrastructure, and data centers.
- Telecommunications:** Power supply for remote base stations and network hubs.
- Renewable Energy:** Centralizing DC/AC distribution for solar panels and wind turbines.

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