

Household General Distribution Box



Article Overview

A household general distribution box safely distributes electrical power from the main supply to multiple circuits, protecting your home from overloads and electrical faults.

Purpose and Function

A distribution box, also called a DB box, distribution board, or consumer unit, is the central hub of a home's electrical system. It receives electricity from the main supply and splits it into smaller circuits for lighting, sockets, kitchen appliances, HVAC systems, and other household equipment . Its primary functions include:

- **Power distribution:** Routes electricity to different circuits without overloading any single line .
- **Circuit protection:** Houses circuit breakers or fuses that cut off power during overloads or short circuits .
- **Safety:** Prevents electric shocks and reduces fire risks by controlling current flow .
- **Organization:** Keeps wiring neat and accessible for maintenance .

Components

A typical household distribution box contains:

- **Main switch:** Controls the entire electrical system, allowing quick shutdown for emergencies or maintenance .
- **Circuit breakers:** Protect individual circuits; types include single-pole (1P), single-pole with neutral (1P+N), and double-pole (2P) for full isolation ...

Article Content

Exploring House Electrical Distribution Box: Material Grades ...

A house electrical distribution box —also known as a consumer unit or breaker panel—is a central component in residential electrical

Distribution board

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

What Is an Electrical Distribution Box? A Complete Guide

An electrical distribution box routes power, prevents overloads, and keeps wiring organised—essential for safe, efficient home and

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Complete Guide For Distribution Boxes Types

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

General Enclosures

Retrofitting Distribution Boxes E-Abel's broad range of multitasking distribution boxes offer a variety of sizes, cutouts and optional

Distribution Box: Types and Functions | Axis-Electricals

A distribution box ensures that electrical supply is distributed in the building, also known as a distribution board, panel board, breaker

Safe & Efficient Power Distribution Boxes | GEYA

GEYA offers a range of distribution boxes, including: MCB Distribution Boxes: GYB1 (metal), GYB4 (modular), GYB5 (transparent),

Mains electricity

Mains electricity, utility power, grid power, domestic power, wall power, household current, or, in some parts of Canada, hydro, is

Understanding Your Home Electrical System

In general, older service panels use fuses, while more modern systems rely on circuit breakers. Fuses and circuit breakers are safety

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The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main Distribution Boards (MDB),

"Guidelines for Household Distribution Box Specifications and ...

This knowledge is crucial, as improper handling can lead to safety hazards. In this article, we will explore the specifications for

Distribution Boxes: Household vs. Commercial (Industrial)

The difference between household distribution box and industrial distribution box lies mainly in load capacity, safety requirements,

Contact Us

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