

A Comprehensive List of Distribution Box Models and Specifications

Article Overview

Distribution boxes come in various models and specifications, ranging from residential consumer units to industrial low-voltage switchgear, with features tailored for safety, capacity, and application.

Common Types and Models

1. Residential and Commercial DB Boxes

- o TOP Series (TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP-PF, TOP-S): Available from 1-way to 36-ways, suitable for homes, offices, and small commercial setups. Dimensions vary by model, typically including length, width, and height specifications .

- o JUNON C6 Series: Single-phase distribution boards with 32A rating, including cover, frame, base box, guide rail, neutral and earth copper bars. Available in flush mounting (inside wall) and surface mounting (on wall surface) types .

2. Industrial Low-Voltage Switchgear

- o GGD Series: Fixed low-voltage switchgear for substations and power plants, AC 50Hz, rated voltage 380V, high breaking capacity, stable performance .

- o GDH Series: Another fixed low-voltage switchgear variant, parameters vary by manufacturer, used in industrial power distribution .

- o PGL Series: Low-voltage fixed switchgear for stable power supply in various industrial and commercial applications .

- o GCK Series: Withdrawable low-voltage switchgear, AC 60Hz, working voltage ~660V, suitable for motor control and lighting equipment .

- o GCS Series: AC 50Hz, rated working voltage 400V, used in power plants, oil facilities, high-rise buildings .

- o MNS Series: Compact low-voltage distribution system for small power plants, industrial enterprises, and hotels, offering stable performance and flexible configuration .

3. Smart and Specialized DB Boxes

- o Smart DB Boxes: Include energy monitoring units, communication modules, and remote control capabilities. They provide real-time data collection and enhanced safety features .

- o Fuse Boxes: Older type using fuses instead of circuit breakers; less common in modern installations but still found in older buildings .

- o Transfer Switches / Automatic Transfer Switches (ATS): Used in systems with backup generators to switch power supply automatically, critical for hospitals and industrial setups .

Key Specifications and Features

- o Material: Engineering thermoplastics (PC, ASA) or epoxy/powder-coated stainless steel .

- o Protection Devices: Circuit breakers, RCCBs, isolators, and fuses for overload and short-circuit protection .

- o Bus Bars and Neutral Links: Conduct electricity and provide return paths for proper system functioning .

A Comprehensive List of Distribution Box Models and Specifications

- o Current Ratings: From 16A to 400A or higher, depending on application and model .
- o Voltage Ratings: Typically 220V-660V for low-voltage systems, AC 50Hz or 60Hz .
- o Mounting Types: Flush-mounted, surface-mounted, or rack-mounted for industrial panels .
- o Customization: Input/output configurations, switches, protection devices, displays, and connector layouts can be tailored to specific requirements .

Summary

Distribution boxes vary widely in type, capacity, and application, from small residential consumer units to industrial low-voltage switchgear. Selection depends on factors such as current and voltage requirements, mounting type, safety features, and additional smart functionalities. Modern DB boxes prioritize safety, efficiency, and ease of maintenance, with options for real-time monitoring and remote control in industrial and commercial environments .

Detailed pricing guide for small distribution boxes featuring comprehensive product specifications, safety certifications, and value

Technical Info -- From the sub distribution to factory power supply, from the general industry to the marine, nuclear power plant,

Steel Enclosure to BS EN 61439-3 Supplied factory fitted with switch disconnector and/or RCD, specification as table. Unit comes

ket of low voltage electric insulating switchboards and industrial boxes. No matter how ha sh the environment is, there is always a

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

The power distribution boxes deliver electricity from the main electrical main to other circuits.

Distribution boards, together with modular ABB system pro M Compact protection devices and Modular Din Rail Components, can be

General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the

This paper systematically reviews the specifications, models, and key selection criteria for mainstream

A Comprehensive List of Distribution Box Models and Specifications

distribution boxes across four

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

This document provides a list of components in an electrical distribution box with their names and associated wiring diagrams. It

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

Distribution is an essential function for the electrical panels, as well as for control and circuit protection. As well as purely technical

This ultimate guide explains what a distribution box does, its internal components, common types, real-world applications, and how

Mirage sub-main distribution boards have been designed for easy handling and quick, simple installation

A distribution box, also called an electrical distribution box, distributes incoming power to

Web: <https://www.in-au.co.za>

