Types and Prices of Finished Distribution Boxes



Overview

Types and prices of distribution boxes in 2025_COLORIA GROUPFrom basic metal boxes to AI-powered energy hubs, distribution systems are becoming the unseen.

Key Takeaways

Distribution boxes come in various types including single-phase, three-phase, main and sub-distribution boards, with prices ranging from $50 for basic residential units to several thousand dollars for industrial-grade systems. Types of Distribution Boxes1. Main Distribution Board (MDB): Central hub for distributing electricity to multiple circuits in residential, commercial, or industrial buildings.

Includes bus bars, MCCBs, and protective devices. Ideal for large-scale power management. 2.

Sub Distribution Board (SDB): Transfers electricity from the main board to specific areas like garages, parking lots, or sections of a building. Common in residential and industrial setups. 3.

Meter Panel: Houses electrical meters to monitor power usage. Often includes primary switches, fuses, and RCDs for safety. 4.

Panel Fuse Bank: Provides over-current protection and is used in solar power systems or as a load center. 5.

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Single-

Phase D

B Boxes: Suitable for homes and small commercial loads, powering lights, fans, and small appliances. 6.

Three-

Phase D

B Boxes: Designed for industrial or large commercial facilities requiring higher power capacity. 7. Lighting Distribution Boxes: Dedicated to lighting circuits with protective devices.

8. Power Distribution Boxes: Support sockets, equipment, and heavy machinery. 9.

Control Distribution Boxes: Integrate relays, contactors, and timers for automation and control. 10. Surface Mounted, Flush Mounted, and Pole Mounted Boxes: Surface-mounted for retrofits, flush-mounted for aesthetics, and pole-mounted for outdoor utility applications.

Materials and Features

Distribution boxes are typically made from metal, plastic, or SMC. Outdoor or heavy-duty boxes often have weather-resistant enclosures and higher IP ratings to protect against dust and water. Modern boxes may include smart monitoring, load management, and surge protection features.

Price Ranges

Basic residential single-phase units: $50–$150Residential or small commercial three-phase units: $200–$500Industrial-grade or large commercial DB boxes: $1,000–$5,000+ depending on capacity, materials, and integrated features Customized or smart distribution boxes with advanced monitoring or outdoor weatherproofing can cost significantly more.

Choosing the Right Box

When selecting a distribution box, consider: Power requirements: Single-phase vs. three-phaseInstallation environment: Indoor, outdoor, or pole-mountedNumber of circuits: Ensure the box can handle current and future expansionSafety certifications: Compliance with electrical codes and standardsMaterial durability: Metal or SMC for heavy-duty or outdoor useAdditional features: Smart monitoring, surge protection, and energy efficiency Selecting the appropriate type and quality of distribution box ensures safety, reliability, and long-term cost efficiency for your electrical system.

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Article Content

Types and prices of distribution boxes in 2025_COLORIA GROUP

From basic metal boxes to AI-powered energy hubs, distribution systems are becoming the unseen foundation of smart buildings. Prices might seem steep for advanced units, but they pay

Explore Distribution Boxes for Every Setting with Different Types ...

Distribution boxes act as the central hub, receiving the main electrical supply and dividing it into designated circuits for lighting, outlets, and appliances. They provide a safe and organized way

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

12 types of distribution boxes and how to choose them

In this guide, we''ll break down the 12 main types of distribution boxes in a way that''s easy to understand. We''ll chat about what each one does, where it shines, and then dive into how to

Ultimate Guide To Distribution Boxes Db Boxes Types

This ultimate guide explains what a distribution box does, its internal components, common types, real-world applications, and how to select the right DB Box for

Distribution Box Industry Comparison of Types and Uses

Compare types and uses of distribution boxes in the distribution box industry, covering residential, commercial, and industrial applications.

Distribution Boxes Market in the World | Report

This report provides an in-depth analysis of the Distribution Boxes market in the world, covering market size, growth trajectory, demand structure, supply capability, trade flows, pricing,

Distribution Box : Final Distribution

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For seamless consolidation, distribution, and management of power supply. Find distribution boxes that are designed to perform and last longer. Our range of distribution boards provides utmost safety as

Explore Distribution Boxes for Every Setting with Different Types ...

The price of a distribution box can vary significantly depending on several factors: Type: As mentioned earlier there are different types of distribution boxes, like main breaker panels, sub

Complete Guide For Distribution Boxes Types

The correct choice and installation of distribution boxes are crucial for electrical safety, efficiency, and reliability. This guide provides an exhaustive overview of the different types of distribution boxes,

Distribution Boxes Market in the World | Report

Distribution Boxes are enclosures that organize and protect circuit-protection devices, switchgear, busbars, and control components for power distribution in commercial, industrial, and

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), Consumer Units, Transfer Switches, and more to choose the perfect

Electrical Distribution Boxes: Types, Components

Discover electrical distribution boxes types, components (MCB, RCCB, RCBO, SPD, busbar) and functions. Get expert selection guidance and

Top 10 types of distribution boxes you should know about

Meet the unsung hero of every building: the distribution box. Think of it as your electrical system''s air traffic control center—directing power safely where it needs to go. Whether you''re

Electrical Control Panels & Distribution Boxes: Sizes, Types, and ...

Introduction Electrical control panels and distribution boxes are the backbone of modern electrical systems. From powering homes and industrial facilities to supporting medium-voltage

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 panel, or electric panel.

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What are the types of distribution boxes?

Choosing the right distribution box is crucial for the safety, efficiency, and reliability of any electrical system. Understanding the different types available and their specific applications will help

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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