

Article Overview

Distribution boxes vary in size, type, and price depending on application, amperage, number of circuits, and mounting style, with residential units starting around \$30-\$100 and industrial units costing significantly more.

Sizes and Types

Distribution boxes, also known as electrical distribution boards or consumer control units, come in residential, commercial, and industrial sizes. Residential boxes typically support single-phase or three-phase systems with 12 to 42 circuits, while industrial boxes may handle medium-voltage systems and include custom enclosures for PLCs, relays, and contactors . Standard physical dimensions vary, with boxes ranging from small flush-mounted panels to large wall-mounted or outdoor enclosures. Some common types include:

- o Single-phase residential panels: 32-63A, flush or surface mounted, 1-12 ways .
- o Three-phase commercial/industrial panels: 100-400A, multiple ways (up to 36 or more), often pre-wired and IP-rated for outdoor use .
- o Specialty retrofit boxes: Designed for easy installation in existing walls or sub-floors, often with fire ratings and waterproofing .

Specifications

Key specifications to consider include:

- o Amperage capacity: Residential panels often 32-200A; industrial panels 100-400A or higher .
- o Number of circuits (ways): 1-way to 36-way options available .
- o Material: Plastic, steel, or metal-clad enclosures; weatherproof or indoor-rated.
- o Mounting type: Flush-mounted (inside wall) or surface-mounted (on wall surface), .
- o Protection features: Circuit breakers, fuses, neutral and earth copper bars, overload protection, IP ratings (IP44/IP67 for waterproofing), .
- o Advanced features: Smart monitoring, digital displays, remote control, and energy management capabilities .

Price Range

Pricing depends on size, material, and features:

- o Residential units: Typically \$30-\$100 for basic single-phase panels; higher for 200A or smart panels .
- o Commercial units: \$150-\$500+, depending on amperage, number of circuits, and IP rating .
- o Industrial units: Can exceed \$1,000, especially for medium-voltage, weatherproof, or pre-wired enclosures with advanced monitoring .



Distribution Box Dimensions and Pricing

Applications

Distribution boxes are used in:

- o Residential: Homes, apartments, and EV-ready panels.
 - o Commercial: Offices, retail spaces, and data centers.
 - o Industrial: Factories, manufacturing plants, and mining sites.
 - o Infrastructure: Outdoor joint boxes, underground cable distribution, and renewable energy installations .
- Selecting the right distribution box requires considering amperage needs, number of circuits, mounting type, environmental conditions, and future expansion, especially for EV charging or smart home integration .

Sintex Junction Box Price List 2024 Siddhi Corporation provides pricing information for Sintex brand junction boxes, meter boxes,

Learn about control panels, breaker boxes, junction boxes, and custom enclosures. Explore standard panel sizes,

Discover top-quality Distribution Boxes in Pakistan from Clopal Electric. Ensure reliable electrical distribution with our trusted solutions.

Find distribution boxes that are designed to perform and last longer. Our range of distribution boards provides utmost safety as per

Discover EKDB10 IP65 waterproof distribution boxes made of durable PC plastic. Available in 4-39 ways, single/double/triple layers,

Find trusted Distribution Box including power distribution panel, power distribution box, feeder pillars and

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

If you're like most electrical professionals, picking the right distribution box for your project can feel like navigating a

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses.

Find

This is where septic system issues surface and its you and your property that pay the price. A functional distribution box is a key

GSDB-4030 400x300x190 3 Phase Service Connection Distribution Box/ ABC Distribution Box 11.

Protection rating IK code 16 products (16 Variants) 30 60 90 Item no. 2008840 Distribution box, 3 division units, with terminal strip,

Plastic Electrical Box, also known as a consumer control unit or electricity control unit. It is a device that is a type of distribution board

Our distribution boxes are perfect for industrial environments, catering to automation, robotics, and processing facilities. They provide

The size of the distribution box is reserved When the electric box is only a lighting electric

Web: <https://bssoda.pl>

