

Article Overview

Distribution boxes (DB boxes) are essential electrical enclosures that safely distribute power across circuits, with CAD drawings available for design purposes and prices ranging from INR150 to over INR1,000 per unit depending on specifications.

CAD Drawings and Technical Resources

For engineers, contractors, or designers, CAD files for distribution boxes are available from manufacturers like Schneider Electric. These files include detailed schematics, dimensions, and component layouts, allowing precise planning and integration into electrical systems. CAD files can be downloaded directly from Schneider Electric's website or via TraceParts in multiple formats, free of charge, ensuring compatibility with your project requirements .

Components and Features

A typical distribution box houses key components such as:

- o Circuit breakers or fuses for overcurrent protection
 - o Bus bars for power distribution
 - o Indication lights for mains status
 - o Transfer switches or automatic transfer switches (ATS) for backup power
 - o Smart modules for energy monitoring and remote control in advanced units
- Materials commonly used include polycarbonate (PC), Acrylonitrile Styrene Acrylate (ASA), epoxy-coated or powder-coated stainless steel, providing durability, insulation, and weather resistance for indoor or outdoor installations .

Pricing Overview

The cost of a distribution box varies based on phase type, voltage rating, amperage capacity, number of circuits, material, and additional features. Standard pricing in India includes:

- o VSM Plast: Starting at INR150 per piece
 - o S.K. Instrument Cabinet: Starting at INR790 per piece
 - o Samptel Energy Private Limited: Starting at INR875 per piece
- Commercial and industrial units with higher capacity, advanced monitoring, or weather-resistant enclosures can cost significantly more. Prices also reflect installation, maintenance, and long-term operational considerations .

Supplier Options

Top-rated suppliers on IndiaMART include Aryan Switchgear Services, K.M.B. Electrical and Engineer, and Bhawani Power Controls, offering reliable service and bulk order options. Buyers can contact these suppliers directly to obtain the latest prices, delivery details, and customization options .

Summary

Distribution boxes are critical for safe and efficient power management. CAD drawings allow precise design and integration, while pricing varies widely depending on specifications, materials, and features. For residential, commercial, or industrial projects, selecting the right supplier and box type ensures safety, durability, and compliance with electrical standards.

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From basic metal boxes to AI-powered energy hubs, distribution systems are becoming the unseen foundation of

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Discover the key types of distribution boxes with NUOMAK"s comprehensive guide. Learn about Main

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

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