

Standard panel dimensions of distribution box

Article Overview

Distribution box dimensions vary by type, but typical residential panels range from 12 to 42 circuits, wall-mounted enclosures from 200×200×120 mm to 800×600×300 mm, and freestanding industrial cabinets from 1600–2200 mm in height, 600–1800 mm in width, and 300–600 mm in depth.

Residential Distribution Boxes

Residential breaker panels, often rated for 100–200A, typically accommodate 12 to 42 circuits. Standard full-size panels for new homes are usually 200A, with dimensions roughly 600–800 mm in height, 400–500 mm in width, and 150–200 mm in depth, depending on manufacturer and model. These panels are designed to meet NEC requirements for working space (30 inches wide, 36 inches deep) and mounting height (up to 2200 mm) while allowing future expansion for EV chargers or smart home systems .

Wall-Mounted Enclosures

Wall-mounted distribution boxes are common in both residential and light commercial applications. Typical external dimensions range from 200×200×120 mm up to 800×600×300 mm, with many intermediate sizes available. The usable internal space is slightly smaller due to wall thickness, door returns, and mounting hardware . These enclosures are suitable for housing MCBs, RCDs, and small control devices....

Article Content

Sep 14, 2025

PowerPoint Presentation

We can also design & supply distribution boards to any non standard requirements. Please contact our sales/design department

Oct 15, 2025

Distribution Boards

Easy Installation of outgoings The design of the pan assembly facilitates the installation of outgoing devices. Availability of mixing

Dec 05, 2025

A Complete Guide to Distribution Boards

What is the Difference Between a Consumer Unit and a Distribution Board? Buyers of electrical panels and related

Mar 26, 2026

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

May 07, 2026

Distribution Boards & Consumer Units

Clear detailed description of each size and easy to select with the ordering codes. Box with four studs and adjustable nuts for easy fit

Sep 08, 2025

Electrical Distribution Panel Design Guide

This document outlines the design and functionality of electrical distribution panels, detailing their types, key features, and

Oct 14, 2025

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

VOL-II(TS) E12-IX- LT DB Page-6 of 9 General Technical Particulars for LT Distribution Boxes : - 1) The L.T. Distribution Boxes

Jul 11, 2026

Electrical DB Box Size Guide 2026

Find the right electrical DB box size for your home or project. Learn standard dimensions,

May 24, 2026

Electrical Control Panels & Distribution Boxes: Sizes,

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

Nov 17, 2025

Electrical Box Dimensions Manufacture

Linkwell offers a wide range of electrical box dimensions, so you can always find the right fit for your industrial or

Aug 06, 2025

Electrical Box Size & Dimensions Guide | Chart, Depth & Volume

Complete guide to electrical box sizes and dimensions. Includes size charts, depth comparison, volume calculation

Aug 25, 2025

Common Electrical Enclosure Sizes

Examples include junction boxes and small control panels. Medium Enclosures: Typically range from 150 x 200 x 100

Jun 16, 2026

ABB I Sub distribution boards

Starting from compact boards for energy distribution applications up to floor standing energy supplying switchboards for huge sites of

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Electrical Distribution Panel Guide: Types, Sizing & 600 Amp Tips

Master power distribution panels with our complete guide covering electrical distribution boards, 3 phase consumer

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Distribution Boards

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

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How to Size Main Panel, Load Center, and Consumer Unit?

In today's step-by-step guide, we will demonstrate how to select the right size panelboard (whether it's a load center, distribution

Sep 26, 2025

TECHNICAL SPECIFICATIONS FOR A. C. DISTRIBUTION BOARD

SCOPE: This specification covers the design, manufacturing, testing at works and supply of Indoor type A.C. Distribution Boards for

Nov 26, 2025

Electrical Enclosure Box Sizes and Selection Tips

Explore standard electrical enclosure box sizes, learn how IP ratings and materials affect design, and calculate the

Jan 24, 2026

IEC Standard for Power Distribution Board Design and Layout

Designing a power distribution board is not just about placing components inside a metal box. It requires a deep

Feb 04, 2026

Short form catalogue Sub distribution Panel boards, distribution

Sub distribution Panel boards, distribution boards & consumer Units Sub distribution

Dec 22, 2025

Electrical Box Size Chart: Standard Dimensions for Panels & Junction

View a complete electrical box size chart with standard dimensions. Learn how to choose the right box size for

Oct 02, 2025

Electrical Box Dimensions: Find the Right Size for Any

Learn standard electrical box dimensions for outlets, switches, and junction boxes.

Dec 05, 2025

Dimensional Measurement of Distribution Board, Switchboard, Control ...

Distribution boards, switchboards, control panels, and cubicles are vital pieces of equipment in supplying power to factories and large

Jun 04, 2026

02_Distribution_boards2005

The wall-mounting distribution board offers the possibility of cable entry on the top, at the bottom and from the back. All wall

Oct 13, 2025

TECHNICAL SPECIFICATION I.R.O. 63,100,160 & 315 KVA

Distribution Boxes shall have Isolator (Switch Disconnecter) on incoming circuit and Porcelain CUTOUT fuse base disconnecter on

Dec 06, 2025

ABB Consumer Units & Distribution Boards | PDF

This document provides information on ABB's consumer units and distribution boards, including ordering details. It describes various

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Standard Electrical Enclosure Sizes: Chart, Dimensions & Selection ...

Electrical enclosure sizes are not universal, but most manufacturers follow common size families. This guide explains

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Distribution | Legrand E-catalog International

Distribution Home OUR PRODUCTS Energy distribution, protection and management Residential and small commercial panels

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Distribution Board for Home & Commercial Space | GM Modular

Power Distribution Unit (PDU): PDU is a distribution box used in data centers and server rooms to distribute power to multiple

Oct 24, 2025

Electrical Distribution Panel Guide: Types, Sizing & 600 Amp Tips

From residential 100-amp panels to massive 600 amp main distribution panels in commercial facilities, this

Contact Us

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