

A comprehensive list of charging and distribution box dimensions and specifications



Summary of Content

Distribution and EV charging boxes vary widely in size and specifications, from compact wall-mounted units to large outdoor cabinets, with dimensions, amperage, and IP ratings tailored to residential, commercial, and industrial applications.

1. Residential and Light Commercial Distribution Boxes

- **Main Breaker Panels:** Typically support 100A–200A, with physical dimensions ranging from 14–20 inches wide, 24–36 inches tall, and 4–6 inches deep. These are often wall-mounted and designed for indoor use, with pre-wired options available for ease of installation .
- **Retrofit / Old Work Boxes:** Compact designs for replacing existing panels, often 12–16 inches wide, 18–24 inches tall, 4–6 inches deep, suitable for modern code compliance and EV charger integration .

2. EV Charging Station Distribution Boxes

- **Wall-Mount Level 2 Chargers:** Typical units are 12–18 inches wide, 18–24 inches tall, 6–9 inches deep, ideal for indoor garages or exterior walls. Lateral clearance of at least 5 inches is recommended for thermal management .
- **Pedestal-Mount Units:** Mounted on posts in parking lots, usually 4–5 feet tall, with a concrete pad for stability. The charger is mounted on top, and the base footprint is minimal .

Article Content

7. Technical specification

Technical specification. 7.1. Dimensions. Configurable Max. Current. 7.1. Dimensions.

Distribution box | PDF

This document provides specifications for various types of plastic distribution boxes, including their dimensions and features. It

High-end electrical distribution box dimensions and specifications

This guide explains standard electrical box dimensions by type, compares common sizes, and helps you select the right box for

Ultimate Guide to Electrical Junction Box Dimensions and Compliance

Explore NEC-based standards, box dimensions, material guidelines, and installation precision in this complete

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

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

Complete List of Distribution Box Specifications and Dimensions

The wide range of distribution boards enables each customer to select an individual and economical configuration according to his

Large Distribution Box Panel Dimensions and Specifications

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways.

DC Distribution Box for EV Charging Stations 2026

Learn how DC distribution boxes protect EV charging infrastructure at 1000V DC. Covers busbar design, fault

Electrical DB Box Size Guide 2026

This report provides a comprehensive analysis of electrical distribution board (DB) box sizes, including physical

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