

Dimensions of a 400A Distribution Box



AI Overview

A typical 400A distribution box measures approximately 600–800 mm in width, 400–600 mm in height, and 250–400 mm in depth, though exact dimensions vary by manufacturer and configuration. Typical Dimensions and Construction 400A distribution boxes are designed to handle high current loads and are usually 3-phase, 4-pole units. Standard enclosures are often made from reinforced plastic or metal for insulation, impact resistance, and flame retardancy, as seen in products like the KUPO 400A distribution box. Typical dimensions for such boxes are: Width: 600–800 mm Height: 400–600 mm Depth: 250–400 mm These dimensions allow for mounting MCCBs, MCBs, RCBOs, and socket outlets while providing sufficient space for wiring and ventilation. Some modular systems, like Schneider Electric's Canalis 400A distribution element, are 5 meters in length for busbar runs, but the enclosure itself is smaller and modular. Features and Mounting Material: PA reinforced plastic or sheet metal with flame retardant properties. Mounting: Wall-mounted or hanging on trusses using brackets or hooks. Elongated bracket structures are common for flexibility. Protection: Dustproof and splashproof covers, individual earth leakage protection, and plug-and-play connectivity for easy installation. Customization: Many manufacturers allow customization of socket types, breaker ratings, and labeling. Considerations for Selection Ensure the enclosure size accommodates all breakers and wiring with room for future expansion. Verify compliance with local electrical standards (UL, IEC, or regional codes). Consider indoor vs outdoor use, as outdoor boxes require additional weatherproofing. Check weight and portability, especially for temporary setups in events or industrial sites. In summary, while there is no single “standard” size, most 400A distribution boxes fall within the 600–800 mm width, 400–600 mm height, and 250–400 mm depth range, with variations depending on manufacturer, configuration, and intended application.

Article Content

400A Busbar Distribution Block w/ 4x5/16" or 3/8" Studs

Power up your demanding projects with this heavy-duty 400A 12V busbar, featuring four 5/16" or 3/8" studs, six #8 screw terminals, and a protective cover for safe,

400A Power Panelboard, 3PH Main Lug Only Panel, 42 Circuit,

The Larson Electronics MPD-PB-RB-ML-YT-H-L-42-BF-N3R-1.R44-16.S10 Power Distribution Main Lug Only Panelboard facilitates electrical and power connections in industrial sites. This unit provides

3-Phase Loadcenter Program

Commercial Loadcenter Unit Enclosures—Box Sizes Approximate Dimensions in Inches (mm) Residential Loadcenter Knockouts Knockouts for Box Sizes C4, D1, G1, L1, L2, C1R, C3R, D1R, G1R,

400 A House Panel

400 A meter breaker key features Time-saving Installation Time-saving installation enhancements in the panel include designated solar connection points for faster setup, factory-installed main breakers,

Solid rubber Grande distribution box 400A

The Grande distribution cabinet is our largest solid rubber portable cabinet and has been specially designed by us for large-scale (construction) projects with high power outputs and maximum

Transformer Dimensions Chart: Complete Size Guide

Complete transformer dimensions chart with H×W×D for 5-2,500 kVA. Covers dry-type, oil-filled & padmount sizes in inches & mm. Free space planning guide

Panelboards

Boxes and trims are UL 50 Listed and labeled. Both the box and the trim are painted ANSI-61 light gray. Deadfront covers are also painted ANSI-61 light gray to match box and trim. Drawout feeder MCCBs

400A – 3000A Power Distribution Panels

400A – 3000A Power Distribution Panels For high power demand applications, anywhere from 400A up to 3000A, the Trystar® Power Distribution Panel with I

400 Amp 40-Space 40-Circuit BR Type Meter Socket and Main

Product Details About This Product The Eaton 400 Amp 40-Space 40-Circuit Type BR Meter Socket and Main Breaker Load Center is NEMA 3R rated for outdoor use with a rainproof design. This

Splitter Trough Type 1 4-wire 400 amps, 48x10x6, Gray, Steel

Splitter Trough, Type 1 splits feeder circuit conductors into multiple branch circuit conductors. It includes pre-installed terminal blocks for three- and four-wire power distribution systems.

300A and 400A Meter Main Breaker Box

300A and 400A Meter Main Breaker Box These higher-amperage Meter-Combination Electrical Panels are engineered to provide increased power and flexibility. Each unit comes with a factory-installed

Distribution Board, Enclosure System & Electrical Products

In N42 Grey & X15 Orange, the range can be used as a standard 250A or 400A off the shelf distribution board, or a versatile enclosure system to help build up most switchboard assemblies up to 800A. A

400A 400V Distro with 6 x 63 amp 400 volt three phase Outlets

Product Overview 400A Portable Power Distribution Box - 6 Way 400V Enclosure V46/80 Shockproof Polyethylene Enclosure, Water Resistant up to IP67, Impact Resistant Enclosure Dimensions 800 x

CT meter socket / enclosure combination cabinet

Data subject to change without notice. Consult local utility for area acceptance. All dimensions are in inches. B-Line series meter mounting equipment 71 Eaton

400A Distribution Panel

The CXDM-E3 is a high density, front access distribution panel and is the ideal solution for small to medium sized applications. With universal 19/23" mounting, high temperature operation and high

Splitter Box Type 1 4-wire 400 amps, 22.00x22.00x6.00, Gray, Steel

Splitter Box, Type 1 splits feeder circuit conductors into multiple branch circuit conductors and comes with pre-installed terminal blocks for three- and four-wire power distribution systems.

KUPO POWER DISTRIBUTION BOX FOR 400A-BLUE, PDB

PDB-P16400B KUPO POWER DISTRIBUTION BOX FOR 400A-BLUE Specification - Color: Blue cover, black box - Material: PA reinforced insulated plastic box - Dimensions: 505 (L) x 85 (W) x 112 (H) mm

Pipe Velocity Calculator with Flow Data & Charts

Steel pipes, pvc pipes, copper tubes and more. Fluid Mechanics The study of fluids - liquids and gases. Involving velocity, pressure, density and temperature as functions of space and time. Sizing of Steam

SC-010225A-400A spec_consolidated files

Each Meter-Combination Load Center comes with one Main Breaker (200A or 150A) factory installed, a 12-space distribution section for easy wiring of outdoor circuits, and feed-thru lugs. The secondary

NQ442L4C

This main lugs interior is rated 400A for 240VAC and 48VDC, has a plated copper bus, and 42 pole spaces. NQ Panelboards are convertible from main lugs to main circuit breaker.

400A Brass Distribution Terminal Box

Distribution Terminal Block - 1-pole, 11-way, 400 A is a 400A single-pole modular distribution terminal block designed for high-capacity power distribution in control panels. Its robust construction and DIN

STRAIGHT DISTRIBUTION LENGTH 5M 400 A

It is part of the Canalis system. It consists of a 5m 400A Distribution element equipped with 10 outlets. All run components are delivered with a jointing unit.

400 Amp Distribution Box

The 400 Amp distribution box from SX is designed for versatility. Whether you need it for construction sites, outdoor events, or permanent installations, our boxes

Contact Us

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