

What are the dimensions of an indoor electrical distribution box



Article Overview

Indoor electrical distribution boxes typically range from 200×200×120 mm up to 800×600×300 mm, with depth and internal volume varying by application and manufacturer.

Standard Sizes and Footprints

Indoor electrical distribution boxes, also known as DB boxes or breaker panels, come in a variety of sizes depending on their intended use. Wall-mounted enclosures for residential or light commercial applications usually have external dimensions ranging from 200×200×120 mm to 800×600×300 mm, with many intermediate sizes available to accommodate different circuit counts and wiring needs. Freestanding or industrial panels are larger to house taller equipment and larger back panels.

Depth and Internal Volume

Depth is a critical factor for wiring space. Typical depths range from 120 mm to 300 mm, allowing sufficient room for conductor bending, splicing, and installation of breakers or other devices. Internal usable space is slightly less than external dimensions due to wall thickness, gaskets, hinges, and mounting hardware. For example, a 600×400×200 mm box may have slightly reduced internal volume for components.

Residential vs Commercial Applications...

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Distribution Box

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

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