

Dimensions of indoor and outdoor wall-mounted electrical distribution boxes



Article Overview

Wall-mounted electrical distribution boxes typically range from 200×200×120 mm to 800×600×300 mm, with modular designs supporting residential to industrial amperages and IP-rated protection.

Typical Dimensions

Wall-mounted enclosures are available in a variety of standard size families, though there is no single global standard. Common external dimensions for wall-mounted boxes range from 200×200×120 mm up to 800×600×300 mm, with intermediate sizes available to accommodate different internal layouts and cable entry requirements . Larger industrial units can support higher amperages, up to 800A, and may include modular extensions for additional circuits .

Material and Construction

- Metal enclosures are often made from 1.2–2 mm thick steel, painted (e.g., RAL 7035 gray) for corrosion resistance .
- Mounting plates inside are typically galvanized steel to support circuit breakers and other components.
- Doors may include quarter-turn closures with keys for security.
- Plastic enclosures are also used for lighter-duty applications, offering insulation and corrosion resistance....

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