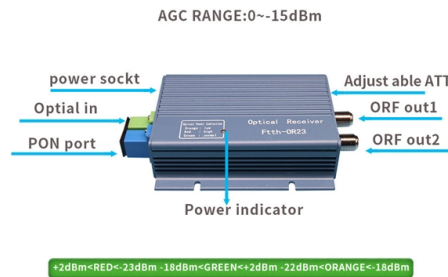


Workshop electrical distribution box dimensions



Article Overview

Workshop electrical distribution boxes typically range from compact wall-mounted units around 200×200×120 mm to larger freestanding cabinets up to 2200×1800×600 mm, depending on application and amperage requirements.

Standard Sizes

Wall-mounted enclosures for light industrial or workshop use usually range from 200×200×120 mm to 800×600×300 mm (Height × Width × Depth), providing enough space for circuit breakers, wiring, and small control devices . These are ideal for workshops with limited floor space and moderate electrical loads. Freestanding or floor-standing cabinets are larger, typically 1600–2200 mm in height, 600–1800 mm in width, and 300–600 mm in depth, suitable for high-amperage distribution, multiple circuits, or integration with industrial equipment .

Depth and Internal Volume

Depth is critical for wiring capacity and heat dissipation. Standard depths range from 120 mm to 300 mm for wall-mounted boxes, while freestanding units may exceed 600 mm to accommodate larger busbars, breakers, and future expansion . Internal volume must comply with NEC or IEC wire-fill guidelines to prevent overcrowding and ensure safety .

Material and Protection...

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