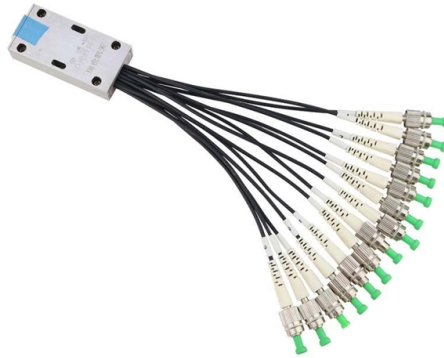


# Distribution box protection box



## Article Overview

A distribution box protective box is an electrical enclosure designed to safely house circuit breakers and other protective devices, providing water, dust, and impact protection for reliable power distribution.

### Purpose and Function

A distribution box protective box serves as a low-voltage enclosure that receives incoming power and distributes it to multiple outgoing circuits through devices like MCBs, RCDs, RCBOs, fuses, isolators, and surge protective devices. It ensures safety, isolation, and organized power distribution, while protecting internal components from environmental hazards and electrical faults .

### Construction and Materials

Protective boxes are typically made from ABS, PC+ABS, or polycarbonate plastics, offering durability, corrosion resistance, and UV protection for outdoor use. Some models feature transparent covers for easy inspection of circuit breakers without opening the box . High-quality enclosures maintain IP65-IP68 ratings, ensuring protection against dust, water, and rain .

### Types and Features

- Indoor vs Outdoor: Boxes can be designed for indoor installations in homes, workshops, or hotels, or for outdoor use in solar systems, car charging stations, and industrial environments ....

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