Domestic Waterproof Distribution Box



Overview

Waterproof Distribution Box | IP65 Plastic DIN Rail Configure as a waterproof electrical distribution panel box with breakers and relays. For custom drilli.

Key Takeaways

A domestic waterproof distribution box is a protective electrical enclosure designed to safeguard circuit breakers, terminals, and wiring from water, dust, and UV exposure, typically rated IP65 or higher.

Key Features

Waterproof and Dustproof Protection: Most domestic boxes are rated IP65–IP68, ensuring protection against rain, splashes, and dust, making them suitable for outdoor and indoor use in gardens, rooftops, or near solar panels (SinoBreaker, MAKERELE, ZCEBOX). Material and Durability: Commonly made from ABS or polycarbonate plastics, these boxes are lightweight, impact-resistant, UV-stabilized, and flame-retardant (UL94), ensuring long-term reliability in various climates. Mounting and Layout: Domestic boxes are typically surface-mounted and may include DIN rails for modular breakers, relays, or terminals.

They come in single or multi-row configurations, supporting 2–39 ways depending on the model (AT/HT series, WPN series, EKDB10). Cable Management: Boxes feature knock-out entries, PG/M-thread glands, and blind plugs for flexible wiring and strain relief, allowing neat and safe cable routing. Temperature and Environmental Range: Designed to operate in −25°C to +85°C, suitable for residential, coastal, or desert environments.

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Popular Models and OptionsAT Series (SinoBreaker): Compact, value-focused, 4–18 ways, ideal for small residential setups.

H

T Series (SinoBreaker): Larger internal space, cleaner routing, 12–24 ways, suitable for professional or larger installations.

MAKEREL

E 8-Way Box: Transparent cover for easy monitoring, IP65, ABS plastic, suitable for indoor/outdoor use.

WP

N Series (WILLELE): Clear PC door, DIN-rail ready, 4–18 ways, supports lighting and control circuits. EKDB10 Series (ETEK): 4–39 ways, single/double/triple layers, ideal for industrial, commercial, and photovoltaic applications.

Installation Tips

Ensure gasket compression and proper sealing to maintain IP rating.

Use DI

N rails for modular breakers and relays. Plan cable entry points and strain relief to prevent water ingress. Label circuits clearly and follow local electrical codes for torque and grounding.

Applications

Residential: Home circuit protection, outdoor lighting, garden installations. Renewable Energy: Solar PV arrays, inverters, and DC combiner boxes.

Commercial/

Industrial: Small control panels, EV charging stations, workshops.

Marine/

Coastal: Salt-mist and humidity-resistant installations. Domestic waterproof distribution boxes provide safe, durable, and versatile solutions for protecting electrical circuits in wet or dusty environments, ensuring reliable operation and easy maintenance for residential and small commercial setups.

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Article Content

Waterproof Distribution Box | IP65 Plastic DIN Rail

Configure as a waterproof electrical distribution panel box with breakers and relays. For custom drilling, pre-wired kits, or volume orders, see our DC Distribution Box

Waterproof Distribution Box WPN | IP65 Clear Door DIN

The WPN Waterproof Distribution Box is a surface-mount enclosure using a rigid ABS body with a smoked PC transparent door. It ships with a DIN rail for

Waterproof Distribution Box | IP65 & IP66 Rated

ZCEBOX manufactures IP65 & IP66 waterproof distribution boxes for outdoor and industrial applications. Built with durable materials, CE & ROHS certified. Contact us for custom solutions!

EKDB10 Distribution Box | IP65 Plastic Waterpro

EKDB10 Distribution Box | IP65 Plastic Waterpro Discover EKDB10 IP65 waterproof distribution boxes made of durable PC plastic. Available in 4-39 ways, single/double/triple layers, ideal for industrial,

Distribution Protection Box with DIN Rail IP65 ABS Transparent Clear ...

Our circuit breaker protective box shell is IP65 engineering-grade waterproof with preventing snow and rain function, provide safety protection for your circuit equipment.

Waterproof Distribution Protection Box, ABS Plastic

With a waterproof design and double sealing mechanism, this distribution box ensures effective protection against water intrusion. The transparent lid is also

HA IP65 Waterproof Distribution Box | 4–54 Way

Compare HA IP65 waterproof distribution boxes for outdoor electrical projects. Confirm way count, enclosure size, layout, quantity and documents for quotation.

HT-12 Way Waterproof Distribution Box IP65 With Din-rail

The HT-12 Way Waterproof Distribution Box is designed for reliable power distribution and protection in indoor and outdoor settings. Featuring a high

Waterproof Distribution Box Manufacturer | IP65/IP66 PC & ABS ...

Selhot Electric offers factory-direct IP65/IP67 waterproof distribution boxes. UV-resistant PC/ABS material, CE/TUV certified, custom knockouts available. Get a quote today.

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HT5 Waterproof Panel Box with clear viewport, Breaker

Protect your electrical circuits with the HT Series Waterproof Distribution Box. Built from durable ABS plastic with a clear lid, this IP65-rated breaker box safeguards

Understanding Distribution Boxes: A Comprehensive

A distribution box, also known as a power distribution box or electrical distribution box, is used to distribute electrical power safely to multiple

CAMWAY Waterproof Distribution Box, IP67 Waterproof Control

Surface-mounted fuse box Waterproof distribution box Waterproof distribution box How did we get started? In the field of surveying, mapping and research, which emphasizes science, precision and

Waterproof Electrical Distribution Box, SHPN Series

The Waterproof Electrical Distribution Box, with its high-definition transparent cover, is a transparent panel that not only allows for easy monitoring of the internal components, but also enhances the

IP65 ABS Distribution Protection Box,12 Way Waterproof Circuit

Reduce repetitive work from subtle points, improve work efficiency, and maintain daily safety inspections of power distribution motors □Suitable for□12 Way electrical panel DIN distribution box provides

Distribution Boxes – C Power

CNC Waterproof Distribution Box IP65 These high-quality distribution boxes from C Power ensure safety, durability, and efficient electrical management for a wide range of applications.

Waterproof Distribution Protection Box, ABS Plastic Breaker ...

The distribution box features a double-sealed silicone waterproof design, with sealing silicone underneath the transparent lid to prevent water intrusion. This breaker box is suitable for outdoor

Waterproof Distribution Boxes for Electrical | WZMDBOX

Manufacturer & Exporter of Junction Boxes, Electrical Boxes, Plastic Enclosures, Waterproof Distribution Boxes and other waterproof box products. The product is

Weatherproof Distribution Boards Archives

How Weatherproof Distribution Boards Can Protect Your Property Having a weatherproof solution for electrical power distribution is essential, especially in Australia where the weather may be severe.

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