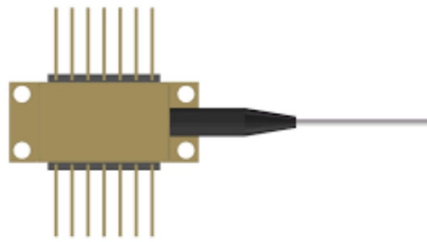


Waterproof electrical distribution box for industrial use



Overview

Waterproof Distribution Box | IP65 Plastic DIN Rail Each enclosure delivers dependable IP65–IP68 sealing for outdoor and industrial use, with options for W.

Key Takeaways

IP65–IP68 waterproof distribution boxes made from durable ABS or PC plastics provide reliable protection for industrial electrical systems. Key Features



Ingress Protection: Industrial waterproof distribution boxes are typically rated IP65 to IP68, ensuring protection against dust, rain, and water jets, making them suitable for outdoor and harsh industrial environments (SinoBreaker, EKDB10) .

Material Construction: Common materials include ABS and polycarbonate (PC) plastics, offering high impact resistance, UV stability, and flame-retardant properties (UL 94 tested) for long-term durability in industrial settings .

DIN Rail Compatibility: Many models, such as the HT Series and EKDB10, include DIN rails for modular installation of breakers, terminals, and miniature modules, allowing flexible wiring and easy maintenance .

Size and Configuration Options: Boxes are available in compact to large sizes, with single, double, or triple layers, and multiple ways (4–39 ways) to accommodate different circuit requirements. Some models feature clear viewing covers for inspection without opening the enclosure .

Security and Safety: Certain industrial boxes include padlock provisions to prevent unauthorized access, integrated copper terminals for reliable connections, and flame-retardant performance to withstand high temperatures .

Applications: These boxes are ideal for industrial facilities, commercial buildings, photovoltaic systems, EV charging stations, pumps, lighting, and outdoor installations where protection from water, dust, and UV exposure is critical .

Customization: Many manufacturers offer custom sizing, pre-assembled solutions, and bulk orders to meet specific industrial requirements .

Recommended Series

- SinoBreaker AT Series: Compact, value-focused, suitable for tight spaces and straightforward cabling .
- SinoBreaker HT Series: Larger internal space, cleaner routing, supports small DIN rail configurations .
- EKDB10 Series: Premium PC plastic, IK08 impact resistance, multiple layer configurations, optimized for industrial, commercial, and photovoltaic applications .
- HT5 Series (ASI): ABS plastic with clear viewport, DIN rail included, IP65-rated, suitable for indoor/outdoor industrial projects . These waterproof distribution boxes ensure safe, long-lasting power management in industrial environments, protecting terminals, splices, and modules from water, dust, and UV exposure while providing flexible installation options.

Article Content

Outdoor Electrical Enclosures – Weatherproof NEMA

Commonly used in agriculture, transportation, water treatment, telecom, and industrial automation Outdoor

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

