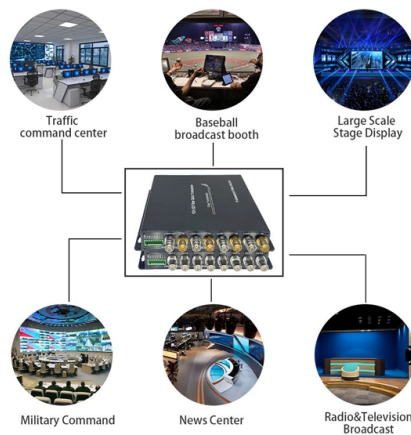


Waterproof Inlet Direction Diagram of Distribution Box



Summary of Content

For a waterproof distribution box, cable inlets are typically positioned at the bottom or side using pre-molded knockout holes with liquid-tight cable glands to maintain IP65-IP68 protection.

Recommended Inlet Direction

Bottom entry: Most waterproof distribution boxes are designed with pre-molded knockout holes at the bottom edge for incoming and outgoing cables. This orientation helps prevent water from entering the enclosure, as gravity directs rain or condensation away from the cable entry points . **Side entry:** Some boxes allow side entry for specific installation needs, but it is crucial to use liquid-tight cable glands to maintain the waterproof seal . **Top entry:** Generally avoided unless the box is specifically designed for it, as water can accumulate and compromise the seal.

Installation Considerations

- **Cable glands:** Use high-quality, liquid-tight cable glands to secure cables and maintain the IP rating .
- **Clearance:** Maintain proper spacing inside the box (e.g., 15mm from components) to allow heat dissipation and prevent condensation .
- **Mounting orientation:** Ensure the box is level and mounted on a stable surface, with the inlet direction aligned to minimize water exposure .
- **Environmental factors:** Avoid direct sunlight, high humidity, or areas prone to water splashes unless the box is rated for such conditions .

Article Content

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About this item IP65 Waterproof: Our 2 din rail distribution protection box and 2 way breaker box shell are made of ABS materials.

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The regular distribution box diagram shows the inlet-internal press fit into 4" smooth wall, various dimensions of each section, outlets

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Figure 0. Properly installed waterproof distribution box in outdoor solar PV application, demonstrating IP66-rated

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Contact Us

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