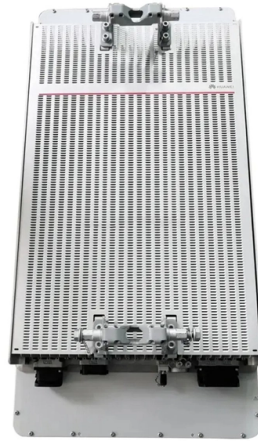


Installation of 380V Distribution Box



Article Overview

Installing a 380V distribution box requires careful planning, proper placement, correct wiring, and strict adherence to safety standards to ensure reliable and safe power distribution.

Preparation and Safety

- **Site Survey:** Choose a dry, ventilated location away from water, flammable, explosive, or corrosive substances. Ensure easy access for maintenance and future upgrades .
- **Power Off:** Completely disconnect the main power supply and verify with a tester that no electricity is present in the installation area .
- **Personal Protective Equipment (PPE):** Wear insulating gloves, safety glasses, and slip-resistant shoes to prevent electric shock .
- **Tools and Materials:** Prepare screwdrivers, wire strippers, multimeter, insulation resistance tester, cable ties, and properly rated wires. Inspect the distribution box and accessories for damage .

Installation Steps

- **Mounting the Box:** Secure the distribution box to the wall or mounting surface using expansion bolts. Ensure it is level, stable, and leaves space for ventilation and maintenance. For outdoor installations, use a waterproof box and consider a rain cover .
- **Wire Preparation:** Strip insulation from wires to the correct length. Avoid leaving conductors too long or too short to prevent short circuits or poor contact .
- **Circuit Breaker Installation:** Install appropriate circuit breakers according to the electrical load requirements. Each branch circuit should have its own protection

Article Content

How to Install a Distribution Box—A Comprehensive Instruction

Before starting the installation, finding a proper place for putting the distribution box is crucial, because it largely

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Installation process of distribution box

3. The distribution box shall be embedded in the installation, and the panel after installation shall be flat with the wall. 4. After the

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380V Distribution Box Wiring

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Electric Panel Installation Method Statement

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How to wire a DB - Distribution Board Wiring - Mechatrofice

Through the MCB phase lines are distributed to electrical wiring for lighting, fixed devices, and power distribution

Contact Us

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