

Complete Installation Process of Home Distribution Box

Article Overview

Installing a home distribution box involves careful site preparation, secure mounting, proper wiring, and thorough testing to ensure safe and reliable power distribution.

Step 1: Site Preparation

Choose a dry, ventilated, and accessible location for the distribution box, ideally about 1.5 meters above the ground for residential setups. Avoid areas near water, flammable substances, or corrosive materials. Ensure there is enough space around the box for maintenance and heat dissipation. If installing outdoors, select a waterproof box and consider adding a rain cover or dehumidifier for protection ().

Step 2: Tools and Materials

Prepare the necessary tools: screwdrivers, wire strippers, multimeter, insulation resistance tester, and cable ties. Inspect the distribution box and accessories, including circuit breakers, terminal blocks, and mounting brackets, to ensure they are undamaged. Use wires and insulating materials that meet electrical specifications ().

Step 3: Safety Precautions

Before starting, cut off the main power supply and verify with a tester that no electricity is present. Wear insulating gloves, safety glasses, and slip-resistant shoes to prevent electric shock ()....

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