

How to disassemble a high-voltage distribution box and its price



Article Overview

Disassembling a high-voltage distribution box requires strict safety protocols, specialized tools, and careful step-by-step procedures, with prices varying by capacity and features.

Disassembly Method

Safety First: High-voltage distribution boxes carry dangerous voltages, often exceeding 1,000V. Always wear insulated gloves, use voltage-tested tools, and ensure the system is fully powered down and verified dead before starting any work. Treat the process as if disarming a bomb to prevent thermal runaway or electrical hazards.

Step-by-Step Procedure:

- **Pre-Disassembly Checklist:** Confirm power is off, discharge capacitors, and verify voltage absence using a multimeter.
- **Protective Gear:** Use 1,000V+ rated gloves, safety glasses, and insulated tools.
- **Access the Box:** Remove external panels carefully, noting the location of screws, connectors, and seals.
- **Disconnect Connectors:** Use quick-dial connectors or other designed interfaces to safely detach internal wiring.
- **Component Removal:** Sequentially remove modules such as the motor controller, DC-DC converter, leakage protection module, and high-voltage distribution bus.
- **Inspection and Cleaning:** Check for damage, corrosion, or insulation wear. Document component positions for reassembly.
- **Reassembly:** Reverse the steps, ensuring all connectors are secure, insulation is i...

Article Content

Electrical Distribution Box Diagrams

This document provides a list of components in an electrical distribution box with their names and associated wiring diagrams. It

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6) Properly connect high voltage and low voltage connectors and take care to avoid wrong connection. After confirming the function

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