

Customized power distribution boxes based on provided drawings



AI Overview

Custom power distribution boxes can be designed and manufactured according to your technical drawings, specifications, and application requirements, ensuring precise fit, functionality, and safety.

Overview of Customization

Customized power distribution boxes are tailored to meet specific project needs, whether for industrial plants, commercial buildings, or residential applications. They allow adjustments in size, circuit configuration, material, protection rating, and appearance based on your drawings or design requirements. These boxes can handle low-voltage systems (typically below 500V) and support functions such as power distribution, lighting control, and process automation.

Design and Engineering Process

- Requirement Analysis: The engineering team collects detailed specifications, including power load, environmental conditions, and integration needs.
- Design & Layout: Using CAD or digital twin technology, the box is modeled in 3D to ensure components fit perfectly and circuits function reliably.
- Material Selection: Materials such as steel, stainless steel, or aluminum are chosen based on environmental and durability requirements. Surface treatments like powder coating or electrostatic spraying can be customized for aesthetics and protection.
- Fabrication: Boxes can be welded or assembled using modular frames, CNC cutting, bending, and punching processes

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Custom PDU

Custom PDU Advantages ↑ A custom PDU is a power distribution unit designed to consolidate power management needs such as electrical noise filtering, power monitoring, outlet control, safety

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Contact Us

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