

Manufacturer of Thickened Box-Type Electrical Distribution Boxes



Overview

The splitter boxes are designed for distribution of up to 600 A (max) service using either 3 or 4 wires.

Key Takeaways

Leading manufacturers of thickened box-type electrical distribution boxes include YSCABINET, Wieland, VIOX, IDE Electric, and ZCEBOX, offering robust, high-IP-rated enclosures for industrial and commercial applications. Key Manufacturers and Offerings



1. YSCABINET YSCABINET specializes in electrical and IT enclosures, including thickened steel and polyester-polycarbonate distribution boxes. Their products feature welded frames with 1.5mm sheet steel, high IP ratings (IP55), and IK10 impact resistance. They provide complete enclosures with doors, mounting plates, locks, hinges, and gland plates, suitable for industrial and construction applications .
2. Wieland Wieland offers smart distribution boxes for decentralized electrical installations in buildings and industrial plants. Their enclosures comply with IEC 61439 standards and support pluggable installation, flexible configuration, and high durability. Wieland boxes are designed for harsh environments, including moisture-prone areas, making them suitable for thickened, robust applications .
3. VIOX Electric VIOX manufactures stainless steel distribution boxes in grades 201, 304, and 316, providing corrosion resistance and long-term durability. Their enclosures feature high IP ratings, user-friendly designs with quick-access panels, modular components, and flame-retardant materials. VIOX also offers OEM and private-label solutions for industrial, commercial, and residential applications .
4. IDE Electric IDE Electric produces enclosures using high-durability halogen-free plastics, with protection levels ranging from IP44 to IP67. Their boxes are suitable for low-voltage applications from 10 to 125 Amperes and 24 to 500 Volts, offering robust protection for both indoor and outdoor installations .
5. ZCEBOX ZCEBOX is a global manufacturer of low-voltage electrical products, including distribution boxes, junction boxes, MCBs, and consumer units. They provide OEM and ODM services, ISO9001 certification, and compliance with CE, ROHS, and IK standards. ZCEBOX specializes in high-quality, factory-direct solutions with customizable options for large-scale production .

Considerations for Selection

- Material: Steel, stainless steel, or high-quality plastics depending on environmental exposure.
- IP Rating: Choose IP55 or higher for outdoor or moisture-prone areas.
- Customization: OEM/ODM services allow tailored sizes, mounting options, and internal configurations.
- Compliance: Ensure adherence to IEC standards (e.g., IEC 61439) for safety and reliability.
- Durability: Look for thickened panels (1.5mm or more) and impact-resistant designs (IK10) for industrial robustness. These manufacturers provide a range of thickened, high-quality distribution boxes suitable for industrial, commercial, and residential power distribution needs, with options for customization and compliance with international standards.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

