

XL series distribution boxes



Overview

XL distribution box XL series power distribution box is designed by our company combined with different control equipment.

Key Takeaways

XL series distribution boxes are low-voltage power distribution units designed for safe, efficient, and flexible electricity management in industrial, commercial, and residential applications. Overview

XL series distribution boxes, including the widely used XL-21 series, are essential components in modern electrical systems, handling low-voltage applications typically below 1000 volts . They are designed to receive, control, and distribute electrical power safely, ensuring protection against overloads, short circuits, and ground faults . These boxes are commonly used in power plants, substations, industrial enterprises, large buildings, and civil infrastructure .

Types and Configurations

- Circuit Breakers: Interrupt electricity flow during overloads or short circuits to protect the system and connected devices .
- Switchgear: Includes disconnect switches and fuses to control, protect, and isolate electrical equipment .



- **Distribution Panels:** Serve as central hubs for distributing electricity to multiple circuits, often referred to as breaker panels . The XL series supports three-phase power or lighting distribution systems with three-wire, four-wire, or five-wire configurations . Floor-mounted and wall-mounted options are available, with flexible cable entry/exit and modular combination capabilities .

Features

- **Protection:** Overload, short-circuit, under-voltage, phase-failure, and optional earth leakage protection .
- **Construction:** Enclosures made from structural steel frames or C-shaped steel profiles, with detachable doors, side panels, and rear covers for easy maintenance .
- **Maintenance:** Front operation and front maintenance design, adjustable mounting plates, and precision-cast hinges allowing door opening angles over 135° .
- **Smart Capabilities:** Some XL boxes offer remote monitoring, predictive maintenance, and energy management features for improved efficiency .

Technical Specifications

- **Rated Voltage:** Up to 500V-1000V AC, 50Hz .
- **Rated Current:** Typically up to 630A for XL-21 series .
- **Standards Compliance:** IEC 60439-1, IEC 439-1, GB 7251, ensuring safety and reliability .
- **Environmental Conditions:** Suitable for indoor use, ambient temperatures from -5°C to +40°C, with dustproof characteristics for industrial environments .

Applications

XL series distribution boxes are versatile and used for:

- Main floor distribution in buildings and industrial facilities .
- Dual-power supply transfer switches for redundancy .
- Control of motors, fans, and water pumps in industrial and civil applications .
- Lighting and power distribution in commercial and residential settings .

Maintenance and Customization

Regular inspections, testing of connections, and cleaning are essential to maintain performance . XL series boxes can be customized for specific project requirements, including voltage levels, protective devices, and smart monitoring options . In summary, XL series distribution boxes provide a reliable, flexible, and safe solution for low-voltage power distribution, combining robust construction, advanced protection features, and adaptability for diverse electrical systems .

Article Content

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XL Series Power Distribution Box

The XL series floor-mounted power distribution cabinets feature flexible installation, simple operation, and

XL Distribution Boxes

Discover efficient xl distribution box solutions designed for optimal power distribution. Enhance your operations with reliable, durable

Low Voltage Distribution Box Manufacturer-JXF, PZ30,

Professional Low Voltage Distribution Box Manufacturer offering PZ30 lighting panels, XL-21 power

XL Series Advanced Power Distribution Cabinet with Custom Finish ...

The distribution box structure is divided into two types according to the installation method: closed suspension type

Prefabricated Substation (American Style Box)

The XL Power Distribution Box is a high-performance distribution equipment specifically designed for

XL Series Low Voltage Power Supply Distribution Box

This power supply distribution box is used for protecting overload, short-circuit and leakage, as well as for

Low Voltage AC Power Distribution Cabinet

Compact design with multifunctional protection, suitable for 400V/630A power distribution systems for

XL Series Low Voltage Power Distribution Box 400V 630A IP40

XL Series Low Voltage Power Distribution Box 400V 630A IP40 Mechanical Lock Integrated Control & Protection Cabinet

XL-21 AC Distribution Box Manufacturer | Factory Direct

The XL-21 series power distribution box is one of the widely used power control and distribution equipment in low-voltage distribution

XL-21 Low-Voltage Power Distribution Cabinet: A

The XL-21 Low-Voltage Power Distribution Cabinet plays a critical role in modern electrical

Metal Power Distribution Cabinet Box XL-21 Power

Metal Power Distribution Cabinet Box XL-21 Power Supply Box Low Voltage Power Switchgear Floor

XL-21 Low Voltage Power Distribution Panel | Up to

The XL-21 Power Distribution Box is used for power distribution, conversion, transmission, control, and on

XL-21 Low-Voltage Power Distribution Box | 380V 800A | Fulleto Electric

The Fulleto XL-21 series is an indoor, floor-standing power distribution cabinet engineered for excellence. It serves as the central hub

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The basic frame of the XL-21 power distribution box is a C-shaped assembled structure, which is processed by galvanizing or spray

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Compact final distribution boxes for safe, accessible, and precise power control across all electrical environments.

XL Series Power Distribution Box

The XL series floor-mounted power distribution cabinets feature flexible installation, simple operation, and

XL-21 low-voltage power distribution cabinet

Overview: XL-21 low-voltage power distribution switchgear is suitable for power distribution in power plants and industrial and mining

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Low Voltage Fixed Electrical Power Distribution Board XL-21

The main distribution box adopts self-design of new components, compact structure, beautiful appearance, easy maintenance, a

XL-21

Product introduction XL-21 low-voltage power distribution cabinet is suitable for power distribution of three-phase four-wire or three

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Distribution Box Specifications And Models

3. Other common distribution boxes XL, GXL series: Low-voltage distribution cabinets, commonly used in construction

SP-XL 3 Phase 380VAC Floor Standing Power Distribution Cabinet

1 Product Overview SP-XL low-voltage power distribution cabinet is suitable for three-phase three-wire, three-phase four-wire, three

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XL Series Low Voltage Power Supply Distribution Box

Overview The box power distribution is applicable to the industrial and civil architectures as the dynamical and light distribution in 3

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Low-voltage power distribution box: XL-21

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