ZITHA TECH SPECIALTY CABLES (Pty) Ltd

XL distribution box specifications and models



Overview

The Fulleto XL-21 series is an indoor, floor-standing power distribution cabinet engineered for excellence.

Key Takeaways

XL distribution boxes, particularly the XL-21 series, are low-voltage power distribution cabinets designed for safe, reliable, and modular energy management in industrial, commercial, and residential settings.Overview

XL distribution boxes are essential components in electrical systems, managing and distributing electricity safely and efficiently. They are typically used in low-voltage applications below 500–1000V, supporting three-phase power systems in industrial plants, commercial buildings, and substations . The XL-21 series is one of the most widely used models, offering robust protection, monitoring, and control for power and lighting circuits .

Key Specifications
• Voltage Rating: Up to 500V AC for three-phase systems, including three-wire, four-wire, and five-wire configurations .

• Current Rating: Standard models support up to 630–800A, depending on configuration .

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• Construction: Cabinets are made from cold-rolled steel with electrostatic spray finish, providing durability and an IP54 protection level against dust and water splashes .

• Installation: Indoor, wall-mounted or floor-standing; front operation and maintenance are standard. Cabinets should be installed in areas free from severe vibration, impact, or corrosive environments .

• Environmental Conditions: Relative humidity up to 50% at +40°C, with tolerance for higher humidity at lower temperatures; inclination should not exceed 5° .

Features

• Protection: Overload, short-circuit, under-voltage, phase-failure, and optional earth leakage protection .

• Components: Modular design allows integration of MCCBs, contactors, relays, meters, and switches according to project requirements .

• Monitoring: Front-mounted voltmeters, ammeters, indicator lights, and selector switches for easy operation and status monitoring .

• Smart Capabilities: Some models support remote monitoring, predictive maintenance, and energy management .

• Standards Compliance: Conforms to GB 7251.1 and IEC 60439-1 standards .

Models and Variants

• XL-21 Standard: Indoor, floor-standing or wall-mounted, suitable for general industrial and commercial applications .

• Customized XL-21: Configurable for specific single-line diagrams (SLDs), including tailored arrangements of breakers, relays, and measurement instruments .

• XL-21-Power Box Series: Compact, elegant design with rotary load isolation switches and auxiliary circuits supporting local/remote control .

Maintenance and Safety

• Regular inspection of connections, insulation, and protective devices is recommended .

• Cabinets are designed for easy maintenance, with front doors providing full access to internal components .

• Safety features include instantaneous pressure release latches and modular design to prevent accidental contact with live parts .

Applications

• Power plants, substations, and industrial enterprises

• Commercial buildings and high-rise structures

• Mining and manufacturing facilities with high dust or particulate environments

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• Electrical systems requiring reliable low-voltage distribution and monitoring XL distribution boxes, particularly the XL-21 series, combine robust engineering, modularity, and safety features, making them suitable for a wide range of low-voltage power distribution applications .

Article Content

XL-21

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

Low-voltage power distribution box: XL-21

Specifically designed for three-phase AC power distribution systems with 50Hz frequency and rated voltages of 380V or below, it is

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

XL-21 Series Low Voltage Power Distribution Cabinet

Designed for AC frequency of 50Hz, this electrical distribution switchgear operates at rated voltages of 400V or 660V with a rated

XL-21 Low Voltage Power Distribution Cabinet

This distribution box adopts domestically self-designed modular components, featuring a compact

XL-21 AC Distribution Box Manufacturer | Factory Direct

Suitable for AC 50Hz, rated voltage 500V and below, used for power control and distribution. XL-21 series indoor device, installed

XL Series Power Distribution Box

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

Xl-21 Power Distribution Cabinet-Sankai Electric

The XL-21 type power distribution cabinet is suitable for power plants and industrial enterprises. It is designed for three-phase three

XL Low Voltage Power Distribution Cabinet

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XL Low Voltage Power Distribution Cabinet uitable for three-phase four-wire systems with AC voltages up to 500V. It is primarily

XL distribution box

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

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Distribution Box

Distribution Box Space and cost saving solution Amphenol LTW''s distribution boxes facilitate efficient cable management, easy

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Experience unmatched capability with the 2027 F-250 XL, offering Best-in-Class max

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

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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 power distribution cabinet

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

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RANGE & SPECIFICATIONS: Sr. No. Product Code Inside Dimensions (mm] H x W x D Typical Applications

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Complete Guide For Distribution Boxes Types

The correct choice and installation of distribution boxes are crucial for electrical safety, efficiency, and reliability. This guide provides

A Complete Guide to XL-21 Power Distribution Cabinet Specifications

The XL-21 type power distribution cabinet is a crucial component in electrical systems, designed to distribute power

Low-voltage power distribution box: XL-21

The XL-21 low-voltage power distribution box serves as the core equipment for power distribution systems in industrial and mining

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

Product description: XL-800 power distribution cabinet is suitable for power distribution of three-phase four-wire or

Xl-21 Low Voltage Power Distribution Cabinet

XL-21 power distribution box is divided into two types. The box height 1700mm and 1800mm is the ordinary type (P type). The box is

Requirements And Specifications For Installation Of

In flammable and explosive environments, explosion-proof distribution boxes should be

Outdoor Electrical Distribution Box Specifications: NEC

Complete specification guide for outdoor electrical distribution boxes covering NEC Article

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We would like to show you a description here but the site won''t allow us.

S-XL Low Voltage Panel Distribution Box Distribution Board, Cabinets

Enecell''s Low Voltage Panel Box, Power Distribution Cabinets, Low voltage Distribution Boards can distribute power and control,

TECHNICAL SPECIFICATION I.R.O. 63,100,160 & 315 KVA

1. SCOPE: This Specification covers the design, manufacture, testing at works and supply of Distribution Boxes made out of CRCA

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APC™ by Schneider Electric power protection solutions | Schneider ...

Safeguard connected equipment and maintain uptime with APC UPS systems, IT infrastructure, batteries, and support for homes,

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XL Distribution Boxes

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

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX VOL-II(TS) E12-IX- LT DB Page-2 of 9 L.T. DISTRIBUTION BOX FOR

Metal Power Distribution Cabinet Box XL-21 Power Supply Box Low

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

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

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