Namibian AC Low-Voltage Distribution Box Model

Overview

Namibia Low Voltage Switchgear-City Product Center_4-Dongfeng Namibia MNS Low Voltage Withdrawable Switchgear Widely used in power generation, construction.

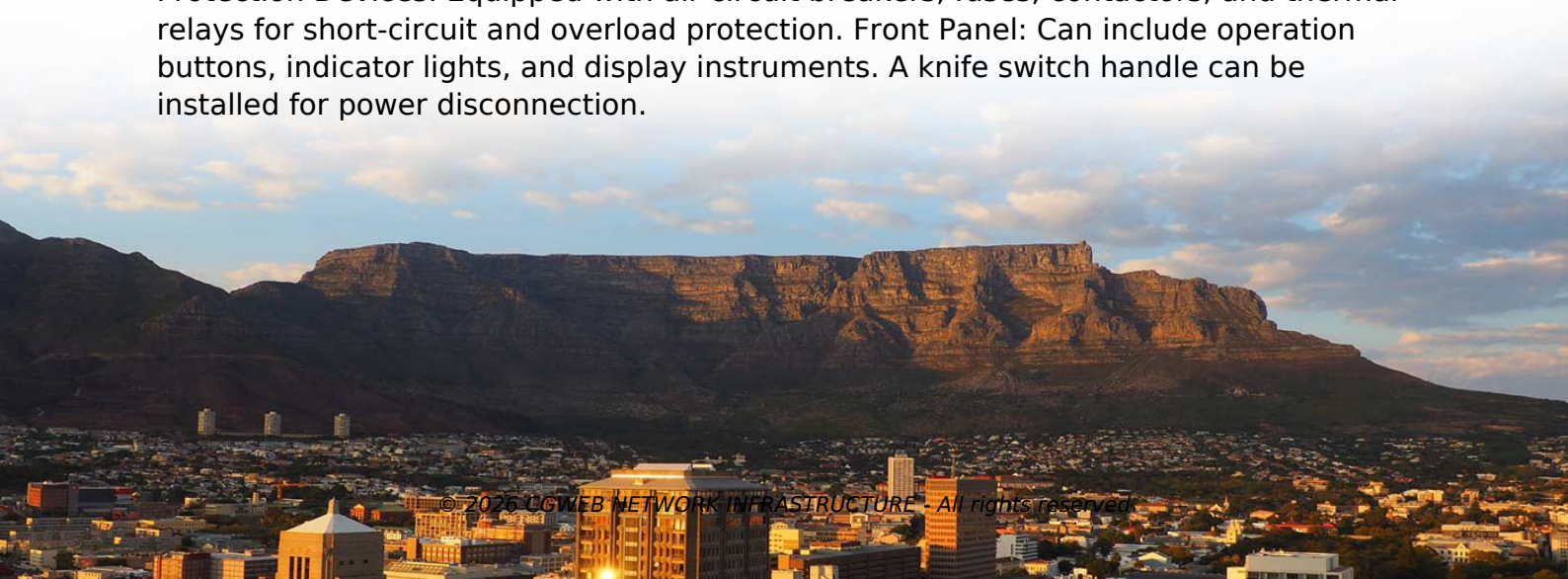
Key Takeaways

The XL-21 type low-voltage distribution cabinet is a commonly used model in Namibia for industrial, commercial, and civil applications, supporting voltages below 500V and currents up to 800A. Overview of XL-21 Distribution BoxThe XL-21 low-voltage power distribution cabinet is designed for indoor use and is suitable for single-phase and three-phase systems with a frequency of 50Hz to 60Hz. It supports load currents below 630A and voltages below 500V in IT, TN-C, and TT systems, making it versatile for power and lighting distribution in Namibia.

The cabinet is constructed from bent steel plates and welded angle steel, providing a compact, durable structure with easy maintenance access.

Key Features

Protection Devices: Equipped with air circuit breakers, fuses, contactors, and thermal relays for short-circuit and overload protection. Front Panel: Can include operation buttons, indicator lights, and display instruments. A knife switch handle can be installed for power disconnection.



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Installation Environment: Suitable for ambient temperatures from -5°C to +40°C, altitudes up to 2000 meters, and relative humidity up to 50% at 40°C (higher humidity allowed at lower temperatures),. Dimensions and Access: Single-sided, front-opening design allows full exposure of internal equipment for maintenance. Both the door and enclosure are grounded for safety.

Protection Level: Enclosure rated at IP30, compliant with IEC 60439-1 and GB7251. 1 standards.

Compliance and Standards

In Namibia, low-voltage distribution boxes must comply with SANS 10142-1 and other national low-voltage standards, ensuring safe installation and operation. Maintenance practices include regular inspection for corrosion, moisture, and secure grounding, as well as proper labeling of metering kiosks and link disconnecting boxes.

Applications

The XL-21 distribution box is widely used in: Industrial and mining enterprisesCivil buildings, schools, and government institutionsResidential and commercial power distribution systems SummaryFor Namibian installations, the XL-21 model provides a reliable, standard-compliant solution for low-voltage distribution, offering flexibility in circuit configuration, robust protection, and ease of maintenance. Compliance with Namibian electrical standards ensures safety and operational efficiency in various environments.

Article Content

Namibia Low Voltage Switchgear-City Product Center_4-Dongfeng

Namibia MNS Low Voltage Withdrawable Switchgear Widely used in power generation, construction, steel, cement, mining, petrochemical, and other power supply and distribution systems

NSI Namibian Standards Catalogue 2024

It includes various standards related to dry sanitation technologies, renewable energy systems, food safety, and electrical installations, among others. The document serves as a reference for

L.T. Distribution Box Specification | PDF | Fuse (Electrical)

Technical Specification of L.T Distribution Kiosk.pdf - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The document provides specifications for low voltage distribution boxes used

NAMIBIA''S NATIONAL ELECTRIFICATION POLICY

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This Policy does not distinguish between micro- and mini-grids because the former are essentially smaller versions of the latter, often with lower capabilities, and they supply end-users by means of a

Revised Technical Rules: Electricity Act, 2007 Final

A standby generator must comply with the planning and protection requirements and guidelines of the distributor and as well as protection of own plant against abnormalities, which could arise on the

NRS 034-1: Guidelines for Planning and Design of Residential

The Herman-Beta method is the most comprehensive and accurate method available for calculating voltage drops in low-voltage residential feeders. The Voltage Drop Working Group of the NRS 034-1

ESI ADVERT ON STANDRADS

These standards are readily available for purchase from the Namibian Standards Institution (NSI): No 35 Dr. Theo-Ben Gurirab Street, Klein Windhoek.

Namibia Underground Box Transformer-Dongfeng-covering various

The underground box transformer occupies a small area and can replace traditional distribution rooms in residential communities, reducing the construction of distribution rooms and providing significant

BIM objects

Download free BIM objects for electrical including electrical - distribution as Autodesk Revit families, SketchUp, Autodesk, Vectorworks or ArchiCAD files.

OF THE REPUBLIC OF NAMIBIA

“distribution system” means a system which consists wholly or mainly of medium and low voltage networks through which electricity is conveyed to a customer; “distribution system impact

A Complete Guide to LV Distribution Board | CHINT global

LV distribution boards, part of the electrical distribution system, securely distribute low-voltage power to facility circuits.

Namibia power adapters

What power adapters do you need for Namibia? A guide to plug sockets, voltages, converters and travel adapters used in Namibia.

Electricity Act, 2007 – NamibLII

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(b) high density housing developments to which only low voltage electricity is distributed, which are exempted from the requirement to have a licence in terms of this Act.

Distribution Boards SA

With years of experience in both Electrical Consulting and Manufacturing of Low-Medium Voltage Switchgear Panels, Distribution Boards SA (PTY) Ltd is fully

NamPower Technical Specifications Part GN: general

Foreword This Specification forms part of the NamPower Technical Specifications, a series of Specifications specifying various aspects of NamPower''s substations, transmission lines and general

Low Voltage Distribution Box

Our products boast customizable materials and dimensions, ensuring a tailored experience. With a range of materials to choose from and the ability to adjust sizes to your liking, our offerings are

Namibia electrical outlets & plugs

Do I need a power plug adapter or power converter for Namibia? All you need to know about electrical outlets, plug types and electricity voltage in Namibia in a single overview.

Namibia Voltage and Power Plug Guide

Dual voltage devices can work under different voltage standards, typically labeled "100-240V" or "110-240V". Identification method: Check labels on device power adapters or chargers - if showing voltage

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Technical inquiry: https://cgweb.co.za/project-enquiry.html

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

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