

Guinea Distribution Box Specifications



Overview

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

Key Takeaways

Guinea distribution boxes are low-voltage electrical enclosures designed for residential, commercial, and industrial applications, available in single-phase and three-phase configurations with robust safety and installation features. Types and Applications

Guinea distribution boxes come in various models, including standard, outdoor, transparent-window, single-phase, and three-phase meter boxes. They are widely used for lighting and power control, residential electricity metering, industrial and mining enterprises, workshops, offices, and high-end apartments . Single-phase boxes are suitable for smaller loads, while three-phase boxes handle higher power requirements and are commonly used in utility and industrial settings .

Structural Features

- **Enclosure Material:** Typically made of bent steel plates or robust metal, ensuring durability and corrosion resistance .
- **Mounting Options:** Can be surface-mounted or flush-mounted, depending on installation needs .
- **Front Access:** Doors may include operation buttons, indicator lights, and display instruments, with some models allowing full exposure of internal components for easy maintenance .

- Internal Components: Equipped with air circuit breakers, fuses, contactors, thermal relays, and optionally knife switches for power disconnection .

- Protection and Safety: Complies with IEC 60439-1 and GB7251.1 standards, with grounding screws on doors and enclosures for reliable earthing .

Operating Environment

- Temperature: -5°C to +40°C, with a 24-hour average not exceeding +36°C .

- Altitude: Indoor installations up to 200–2000 meters, depending on model .

- Humidity: Maximum 50% at +40°C; higher humidity allowed at lower temperatures (up to 90% at +20°C), accounting for condensation .

- Installation Conditions: Tilt angle should not exceed 5°, and the location should be free from severe vibrations, shocks, and corrosive environments .

Electrical Specifications

- Voltage: Suitable for single-phase and three-phase systems, typically below 500V .

- Current Rating: Load currents below 630A for XL-21 cabinets .

- Frequency: Compatible with 50Hz to 60Hz systems .

- Wiring Systems: Supports IT, TN-C, and TT systems (formerly three-phase three-wire and four-wire systems), .

Dimensions and Maintenance

- Compact Structure: Designed for easy maintenance and flexible circuit combinations .

- Accessibility: Front-opening doors allow full access to internal components, facilitating inspection and replacement of breakers, fuses, or relays .

Additional Features

- Versatility: Some models include transparent windows for monitoring without opening the box .

- Prepaid Meter Integration: Certain boxes are designed for prepaid energy meters, suitable for Western African French-speaking countries .

- Compliance and Certification: Many models meet ISO9001, ISO14000, KEMA STS, DLMS/COSEM, and SABS standards . Guinea distribution boxes provide a reliable, safe, and flexible solution for low-voltage power distribution, suitable for a wide range of applications from residential to industrial environments.

Article Content

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Edg Guinee High Quality Single Phase Meter Box Outdoor Electrical Distribution Box Specifications: NEC Guinea XL-21 Power

GBHL-A Alloy Distribution Box

The GEYA GBHL and GBBL series alloy distribution box is available in nine distinct capacity specifications ranging from 12P up to

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Equatorial Guinea Power Distribution Box Specifications and Models

Our analysts track relevant industries related to the Equatorial Guinea Commercial Vehicle Electric Power Distribution Box Market,

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

The materials covered under this Specification shall comply with the requirement of the latest version of the following standards as

L.T. Distribution Box Specification | PDF

3) Specifications cover the construction, components, sizing, testing requirements and other technical parameters for boxes serving

Guinea Secondary Distribution Box Model and Specifications

Guinea XRM Lighting Distribution Box-Dongfeng-covering various XRM lighting distribution box is a lightweight distribution device

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INTRODUCTION A junction box is an integral part of every electrical installation system. This metal enclosure, with partially cutout

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Distribution Box

Our distribution boxes are perfect for industrial environments, catering to automation, robotics, and processing facilities. They provide

Guinea

Guinea features many open-air marketplaces, numerous small shops, and a few medium-sized grocery stores. The

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

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

Distribution Box – Astryd Power Pvt. Ltd.

This specification covers the design, manufacture, testing at works, and supply of Distribution Boxes made out of CRCA MS (cold

50A, 120/240V AC Temporary Power Distribution Boxes

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Crouse-Hinds series GUE and GUB Explosionproof Junction

Junction boxes listed can be furnished with drilled and tapped conduit openings, subject to the limitations of maximum opening,

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General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the

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Distribution Box Specifications & IEC Protection Standards

Evaluate distribution box parameters, bus bar configurations, and overcurrent protection requirements for industrial

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Distribution Box

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

Does Guinea have electrical distribution boxes

A distribution boxes is an essential device that manages the safe and efficient flow of electrical power throughout different areas of a

Selection of Distribution Boxes in Equatorial Guinea

Equatorial Guinea ZGS Type Combined Transformer Dongfeng-covering various types of distribution boxes_rich and diverse product

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX VOL-II(TS) E12-IX- LT DB
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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

GB Distribution Boxes Installation Guide

1. GB-distribution boxes and enclosures are ATEX-certified and manufactured from polyester to withstand corrosion and provide

Outdoor Electrical Distribution Box Specifications: NEC

Complete specification guide for outdoor electrical distribution boxes covering NEC Article

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

Junction Box Sizes and Specifications: A Complete Guide

A comprehensive and detailed guide covering all key aspects of junction boxes, including standard sizes, common specifications,

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

