

Uganda power distribution box enclosure specifications

Article Overview

Popular power distribution box enclosures in Uganda include the Cworth E-BOX, XL-21 low-voltage cabinets, Electrical Enclosure Box 40, and Ready Board RB21, each designed for residential, commercial, and industrial applications.

1. Cworth E-BOX Smart AC/DC Distribution Box

The Cworth E-BOX is designed for solar and conventional power systems, providing AC/DC distribution with lightning protection. It is rated for 220V and 63A, suitable for homes, offices, and small businesses in Uganda. The enclosure ensures safe, reliable performance, and includes features for easy installation and maintenance. Users should verify size, capacity, and power compatibility before installation, and professional setup is recommended for optimal safety and efficiency .

2. XL-21 Low-Voltage Power Distribution Cabinet

The XL-21 cabinet is a bent steel low-voltage enclosure suitable for industrial, mining, civil, and institutional applications. Key specifications include:

- o Voltage: below 500V
- o Load current: up to 630A
- o System compatibility: single-phase and three-phase, 50-60Hz, IT, TN-C, and TT systems
- o Components: air circuit breakers, fuses, contactors, thermal relays, operation buttons, and indicator lights
- o Environmental limits: ambient temperature -5°C to +40°C, altitude ≤2000m, relative humidity ≤50% at 40°C (higher at lower temperatures)
- o Maintenance: front door opens fully for easy access to internal equipment .

3. Electrical Enclosure Box 40

The Electrical Enclosure Box 40 is a durable steel enclosure for MCBs, relays, DIN rails, and wiring accessories. It supports wall-mounted or floor-mounted installations and is widely used in industrial, commercial, and residential applications. Accessories such as terminal blocks, conduits, and indicator lights are available to ensure organized and safe power distribution .

4. Ready Board RB21

The RB21 Ready Board is a pre-wired, portable low-voltage distribution box suitable for residential, commercial, and small industrial setups. Features include:

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- o Sockets: 2
- o Lighting lamp: 1
- o Mounting: 4 lugs for wall installation, with additional knockouts for future expansion
- o Certifications: CE, CCC, ISO 9001, ISO 45001, SGS, BV
- o Advantages: safe, economic, and easy to use, ideal for small holdings, garages, and outbuildings .

Summary

When selecting a power distribution box in Uganda, consider:

- o Voltage and current ratings (e.g., 220V, 63A for Cworth E-BOX; up to 500V, 630A for XL-21)
- o Application type (residential, commercial, industrial)
- o Mounting options (wall-mounted, floor-mounted, portable)
- o Compatibility with circuit protection devices (MCBs, fuses, relays)
- o Environmental conditions (temperature, humidity, altitude) These models provide a range of solutions from compact ready boards for homes to robust industrial cabinets for high-load applications, ensuring safe and organized power distribution in Uganda.

We constantly strive to improve and innovate Uganda Small Power Distribution Unit Ready Board, continuously improve our services

Compact design fits standard control panels and industrial installations. Customizable features include additional mounting options,

Residential and small commercial panels | Residential box | !

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

Distribution Substation Enclosures shall comply with the latest issues of the relevant national and international standards.

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/products/distribution-board-abs-280-380-130mm Standing Metallic Enclosure

This Uganda Standard recommends general techniques for collecting, processing, packaging, storing, transporting, distributing, and

Cable Specs_UG - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document specifies requirements for

Uganda National Bureau of Standards (UNBS) is a parastatal under the Ministry of Trade, Industry and Cooperatives established

DISTRIBUTION BOARD SPECIFICATIONGENERAL SPECIFICATIONS: Switchboards shall comply with

Metal enclosures made from a continuous length of sheet steel double folded at the front, with back welded to the frame. Both

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Are you selecting an electrical enclosure for your next project? It's not just about picking a box -- it's about choosing a

The enclosure is required to protect the controllers, power distribution components, power supplies and other electronics from harsh

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