

Turkmenistan electrical distribution box specifications and models



AI Overview

In Turkmenistan, electrical distribution boxes are primarily classified by type, voltage, current rating, and application, with the XL-21 low-voltage cabinet being a common standard for industrial and civil installations.

Types and Applications

The XL-21 type low-voltage power distribution cabinet is widely used in Turkmenistan for industrial, mining, civil buildings, schools, and government institutions. It supports both single-phase and three-phase systems with frequencies of 50Hz to 60Hz and is suitable for IT, TN-C, and TT systems (formerly three-phase three-wire and three-phase four-wire systems) for power and lighting distribution. Other distribution boxes may vary in size and configuration depending on the application, such as commercial vehicles or construction sites.

Technical Specifications

Rated main circuit voltage: AC 380V
Rated insulation voltage: AC 660V
Rated frequency: 50Hz
Rated current: $\leq 800A$
Auxiliary circuit voltage: AC 220V or AC 380V
Protection level: IP30, compliant with IEC 60439-1 and GB7251.1 standards
Operating environment: Ambient temperature $-5^{\circ}C$ to $+40^{\circ}C$, altitude ≤ 2000 meters, relative humidity $\leq 50\%$ at $+40^{\circ}C$ (higher humidity allowed at lower temperatures)
Construction: Indoor, wall-mounted, single-sided front-opening, made of bent steel plates and welded angle steel, with grounding screws for reliable earthing.

Components and Features

XL-21 cabinets can include:

- Air circuit breakers and fuses for short-circuit protection
- Contactors and thermal relays for load control
- Knife switches for power disconnection and connection
- Operation buttons, indicator lights, and display instruments on the front door for monitoring and control
- Flexible circuit scheme combinations for easy maintenance and adaptability

Classification Criteria

Electrical distribution boxes in Turkmenistan are generally classified based on:

- Voltage level: Low-voltage ($\leq 1000V$) or medium-voltage (1kV-3...

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Turkmenistan

Turkmenistan - power plug and socket In Turkmenistan, electrical sockets and plugs are type B, C or F. Type B has two flat parallel pins and a grounding pin, type C has two round pins and type F has two

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Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

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Turkmenistan Commercial Vehicle Electric Power Distribution Box

6Wresearch actively monitors the Turkmenistan Commercial Vehicle Electric Power Distribution Box Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers,

Turkmenistan XRM Lighting Distribution Box-Dongfeng-covering

Product Description XRM lighting distribution box is a lightweight distribution device indispensable for secondary distribution in various industries. With the improvement of electrical component quality

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the drawing & details in the table furnished.

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Distribution Boards

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Turkmenistan Electric Transmission and Distribution Equipment

6.2.5 Turkmenistan Electric Transmission and Distribution Equipment Market Revenues & Volume, By Ultra High Voltage (>345 kV), 2021 - 2031F 6.3 Turkmenistan Electric Transmission and Distribution

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Turkmenistan Commercial Vehicle Electric Power Distribution Box

Historical Data and Forecast of Turkmenistan Commercial Vehicle Electric Power Distribution Box Market Revenues & Volume By Box Material Type for the Period 2021- 2031

Plug Sockets in Turkmenistan

Plug Sockets in Turkmenistan: Information about Plug Sockets and Electrical Standards in Turkmenistan Key Takeaways ... Introduction When travelling to Turkmenistan, it's crucial to

Turkmenistan YBF Series Wind Power Box-type Substation

The role of the box transformer for wind power is to step up the 0.69KV electric energy generated by the wind turbine to 35kV, and then transmit it to the wind farm booster station through underground

Contact Us

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