ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Mongolian American-style distribution box



Overview

Cable Branch Box The 10kV cable branch box without switches, commonly known as an “American-style branch box” or “cable joints and tapping box,” mongolian.

Key Takeaways

American-style distribution boxes in Mongolia are high-performance, fully insulated, and customizable enclosures designed for safe and efficient power distribution in industrial, residential, and urban settings.Overview and Applications

American-style distribution boxes are widely used in cable distribution networks for branching, termination, and circuit conversion. They are suitable for industrial parks, residential districts, urban complexes, and high-rise buildings due to their compact, fully enclosed, and fully sealed design, which ensures safety and reliability during operation . In Mongolia, companies like CHNSMILE have successfully customized these boxes to meet local requirements, including waterproofing and advanced protection technologies for harsh climates .

Technical Features
• Voltage Ratings: Available in 10KV, 11KV, 20KV, 24KV, and 35KV options, accommodating a wide range of power distribution needs .

• Circuit Types: Typically divided into 600A main circuits and 200A branch circuits, with plug-in connections for easy installation and maintenance .

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• Construction: Made from steel metal, providing durability and long service life, often exceeding 30 years with anti-corrosion coatings and special spray-painting finishes .

• Safety Design: Incorporates triple-layer rubber insulation with internal shielding, primary insulation, and external conductive shielding, ensuring the external surface remains at ground potential for safe handling .

• Switchgear Integration: Some models include SF6 insulated load switches for operational flexibility, allowing load transfer or isolation without interrupting the main network .

• Protection Level: Designed for outdoor operation with IP33 rating, resistant to water, moisture, and environmental stress .

Customization and Local Availability

Mongolian suppliers and distributors, such as MyMonSource LLC, provide access to American-style distribution boxes from global manufacturers, offering customization options to meet specific voltage, circuit, and environmental requirements . CHNSMILE has demonstrated the ability to tailor distribution boxes for Mongolian clients, ensuring compliance with ISO9001 quality standards and international safety norms .

Advantages in Mongolia

• Reliable in Harsh Climates: Waterproof and insulated designs protect against extreme temperatures and dust.

• Maintenance-Friendly: Plug-in connections and modular design simplify installation and servicing.

• Safety: Shielded design reduces risk of electric shock during operation.

• Versatility: Suitable for both underground and above-ground cable networks, supporting urban power grid reconstruction projects . American-style distribution boxes are therefore a robust and safe solution for Mongolia's growing urban and industrial power distribution needs, combining international standards with local customization.

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