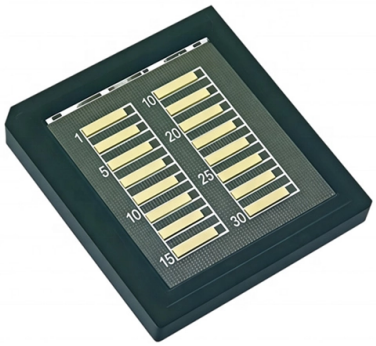
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Bulgarian box-type electrical distribution box



Overview

Bulgarian Domestic Distribution Box SpecificationsENERPROM EOOD designs and manufactures a wide range of electric distribution boards according to the spec.

Key Takeaways

Bulgarian electrical distribution boxes are robust, versatile, and compliant with European and national standards, suitable for residential, commercial, and industrial applications.Construction and Materials

Bulgarian distribution boxes are typically made from metal or high-quality plastic, with options including powder-coated sheet metal, rigid metal boxes, or flame-retardant polyester reinforced with fiberglass . Industrial and main switchboards often use solid metal frames for durability, while modular boxes for household use may be plastic or metal . Outdoor cabinets are designed to be UV-resistant, flame-retardant, and weatherproof, with IP65 protection, making them suitable for harsh environments such as road tunnels, refineries, or shipbuilding .

Types and Applications
• Modular Distribution Boards: Used for final energy distribution to households, controlling lighting, sockets, and small appliances. They can also serve as main switchboards in smaller installations .

• Power-Distribution Switchboards: Heavy-duty metal boxes for industrial sites or as main switchboards in buildings, often housing equipment on metal plates .

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• Local Control Panels (LCP): Small metal or plastic boxes with start/stop buttons and circuit breakers, installed near machinery for local operation and diagnostics .

• Combined Outdoor Control Panels: Designed for remote operation of machinery, often using specialized controllers and non-standard equipment .

• Meter and Terminal Boxes: Outdoor boxes for electricity, gas meters, photovoltaic systems, or telecommunication equipment, often with reinforced pressed polyester bottoms and polycarbonate lids .
Compliance and Standards

Bulgarian electrical distribution boxes are manufactured to meet Bulgarian and European regulations, ensuring safety, reliability, and compatibility with standard electrical components from manufacturers like Siemens, Schneider, ABB, and Noark . They are suitable for low and medium voltage systems, with some capable of handling currents up to 6300 A in industrial applications .

Features and Durability
• Temperature Range: Typically -25 °C to +200 °C for outdoor polyester boxes .

• Resistance: High resistance to solvents, acids, impact, and fire .

• Customization: Available in various sizes, colors (RAL 7000, 7032, 9005), and configurations to suit specific project requirements .

• Automation Integration: Many boxes support industrial automation, including controllers, sensors, visualization panels, and actuators .
Summary

Bulgarian electrical distribution boxes are high-quality, durable, and versatile, suitable for a wide range of applications from residential to industrial. They combine robust materials, compliance with European standards, and adaptability for automation and remote control, making them reliable for both indoor and outdoor installations .

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