

# Cold-rolled steel distribution box casing



## AI Overview

Cold-rolled steel distribution box casings are durable, corrosion-resistant enclosures designed for safe and flexible power distribution in industrial, commercial, and residential applications.

**Key Features and Specifications**

**Material and Durability:** These casings are made from high-strength cold-rolled steel, providing excellent hardness, impact resistance, and long-term structural stability. They protect sensitive electrical components from mechanical damage and harsh environmental conditions.

**Protection Ratings:** Models typically range from IP30 to IP67, offering varying levels of dustproof and waterproof protection. For example, IP55-rated boxes are fully dustproof and water-resistant, suitable for both indoor and outdoor use.

**Corrosion Resistance:** Surface treatments such as powder coating, baked enamel, or electro-galvanization enhance rust prevention and aesthetic durability.

**Design and Customization:** Distribution boxes come in modular designs with multiple sizes, vertical or horizontal orientations, and single or double-door options. Internal layouts often include DIN rail mounting for circuit breakers, contactors, PLCs, and other electrical components. Many models allow easy modification for sockets, switches, ventilation, or cable connectors.

**Safety and Compliance:** Cold-rolled steel enclosures provide electromagnetic shielding, fire retardancy, and reliable grounding. They comply with international and Chinese GB standards (e.g., GB 7251.1), ensuring safe operation and overload protection.

**Applications:** These casings are widely used in:

- Industrial automation: PLCs, frequency converters, servo drives.
- Power distribution: Factories, commercial buildings, residential quarters.
- Outdoor systems: Lighting control, parking management, infrastructure projects.

**Mounting Options:** Wall-mounted, floor-mounted, or flush-mounted configurations are available, depending on installation requirements.

**Customization:** Many suppliers offer customizable models to meet specific project needs, including size, IP rating, and internal layout.

Summa...

## Article Content

### Steel Enclosure Roll Forming Machine for Making

The document details the technical specifications and production process of a distribution box roll forming machine by Shenzhen Superda Machine Co., Ltd. It

### Kesongda Cold Rolled Steel Distribution Box IP54 Rating Powder

Key attributes External Size 500x400x150mm Material Cold Rolled Steel IP level IP54  
Type Distribution Box Place of Origin Zhejiang, China Model Number 500x400x150  
Brand Name kesongda Surface

### WordHTML

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### China Customizable Cold-Rolled Steel Power Cabinet Shell Sturdy ...

Engineered from high-quality cold-rolled steel, this sturdy industrial casing offers superior wear resistance, excellent ductility, and long-term structural stability.

### Metal Distribution Box: Materials, Uses, Installation & Safety Guide

A metal distribution box refers to a closed electrical wiring housing fabricated from metal substrates including cold rolled steel, stainless steel and aluminum alloy.

### Cold rolled steel sections

Cold Rolled Steel Uses There are many uses for cold rolled steel products, such as sections and tube, angle sections, T-sections, open box sections, sheets and strips. These are used in garage doors,

### Cold rolled steel junction box enclosure

The diversity of cold rolled steel junction box enclosure is apparent in the types available, each customized to meet specific needs and conditions. Common types include wall-mounted enclosures,

### Brass Power Casing with Corrosion Free Distribution Box

Heavy-Duty Construction: Made from 1.2mm thick cold-rolled steel with a durable grey powder-coated finish, offering exceptional resistance to impact, rust, and corrosion for long-term use in harsh

### Outdoor Electrical Box, Cold-Rolled Steel Plate, Aluminum Alloy Back ...

The electrical box is made of 1.5mm high-quality cold-rolled steel plate in one piece. The surface of the double layer of the powder spraying and crystal plating is solid and durable, not easy to deform. The

Junction Box Electrical Junction Box, IP40 Metal Casing ...

Junction Box Electrical Junction Box, IP40 Metal Casing, Suitable for Various Circuits, Cold-Rolled Steel Din Rail (42x22 cm/16.5x8.7 in)

IP67 outdoor waterproof cold-rolled steel distribution

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Distribution Box Cold Rolled Steel IP54 Waterproof Powder Coated

Key attributes External Size 400\*300\*200 Material Cold Rolled Steel IP level IP54 Type Distribution Box Place of Origin Zhejiang, China Model Number JXF Brand Name kesongda Surface Treatment

Cold Rolled Steel Distributing Boxes

Enhance your outdoor space with durable and stylish cold rolled steel distributing box, designed to withstand the elements while adding elegance to your home. Perfect for business buyers seeking

Cold-rolled Steel Sheet Distribution Box; GGD Low-voltage Distribution ...

Attributes 380V~1000vRated Voltage 3150ARated Current Electric Power Transmission, Indoor, Industrial, OutdoorApplication As requiredIP Level LV Switchgear CabinetType As requiredNumber

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Three Phase Cold Rolled Steel CE Certified Electrical Distribution Box

Durable Construction: Made from high-quality cold rolled steel, this electrical distribution box is built to last, ensuring a long-lasting performance in harsh construction environments. Compliance with

Boost Efficiency with Reliable cold rolled steel distribution box for ...

Discover efficient cold rolled steel distribution box solutions designed for optimal power distribution. Enhance your operations with reliable, durable equipment tailored to your needs.

Outdoor Cold Rolled Steel IP65 Electrical Distribution Box Factory ...

Outdoor Cold Rolled Steel IP65 Electrical Distribution Box Factory Direct, Find Details and Price about Electrical Box Switchgear Cabinet from Outdoor Cold Rolled Steel IP65 Electrical Distribution Box

Cold-Rolled Steel Distribution Box for Electronics with Thermosetting ...

Crafted from high-quality cold-rolled steel with a corrosion-resistant powder-coat finish, it ensures durability and protection against dust, splashes, and impacts, meeting IP65 standards.

Namunanee B4-B Outdoor Electrical Distribution Box Waterproof

Our key product lines include NEMA-rated steel enclosures, waterproof & weather-resistant junction boxes, metal distribution boxes, and outdoor-rated plastic (ABS/PVC/PP) boxes.

Why Premium Cold Rolled Steel Fabricates The Most Durable

Premium cold rolled steel provides the ultimate structural integrity for a waterproof distribution box due to its precise dimensional tolerances, high tensile strength, and smooth surface

Waterproof Distribution Box, Cold-Rolled Steel Housing,

Wide applications: the electric box is suitable for indoor and outdoor use and is versatile, e.g. in factories, shopping malls, squares, residential areas, courtyards, exterior walls and telegraph

IP67 outdoor waterproof metal electronic casing, indoor

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Product Name: Control Cabinet Material: Metal/cold-rolled Steel Type: Distribution Box Electrical Boxes Function: Electric Energy Distribute MOQ: 5pcs Show more Photos Video Attributes

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Cold-Rolled Steel Electrical Distribution Box Vertical 8/12/16/24/36 Way Metal Power dB Box US\$42.90 30-49 Pieces US\$42.00

Custom Cold-Rolled Steel Power Cabinet Shell | IP65 Rated

Engineered from high-quality cold-rolled steel, this sturdy industrial casing offers superior wear resistance, excellent ductility, and long-term structural stability.

IP67 outdoor waterproof cold-rolled steel distribution

It has dents due to poor shipping and weak thickness of the metal sheet. I regretted buying a very poor product that cannot withstand external conditions. The

## Contact Us

For more information, pricing, or custom solutions, please contact us:

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