Price of Low-Voltage Intelligent Distribution Box



Overview

Gopower is a manufacturer of industrial ac/dc electrical power distribution box/board transformer power unit.

Key Takeaways

The cost of a low-voltage intelligent distribution box typically ranges from a few hundred to several thousand USD, depending on specifications, monitoring features, and customization.

Factors Affecting Cost

The price of an intelligent low-voltage distribution box is not fixed and depends on multiple factors: Rated current and outgoing circuits: Higher current ratings and more branch circuits increase cost. Monitoring and intelligence level: Basic monitoring measures incoming voltage and current, mid-level adds branch monitoring, and high-end systems include detailed branch metering, alarms, touchscreen interfaces, and remote communication. Cabinet size and design: Larger enclosures with better ventilation, IP rating, and cable entry options cost more.

Component quality and brand: Premium breakers, fuses, and modular components increase the price. Customization: Special requirements for data centers, medical facilities, or industrial applications can significantly raise costs.

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Typical Price Ranges

Basic low-voltage distribution boxes: Suitable for small equipment rooms or simple installations, prices can start from $300–$800. Mid-range intelligent boxes: With branch monitoring, communication modules, and moderate customization, prices typically range from $1,000–$3,000. High-end smart distribution cabinets: For mission-critical applications with full branch monitoring, touchscreen interfaces, redundant power architecture, and advanced communication, costs can exceed $5,000–$10,000 or more.

Supplier ExamplesABB and Huawei offer intelligent distribution solutions that integrate IoT, AI, and energy management features, which are generally priced at the higher end due to advanced functionality. Chinese manufacturers like Nanyang Xinte Electric provide low-cost intelligent distribution boxes suitable for standard industrial or commercial applications, often offering competitive pricing for export markets.

LEON

I Group provides modular intelligent power distribution boxes for automotive and industrial applications, with pricing influenced by customization and safety features.

Conclusion

The cost of a low-voltage intelligent distribution box varies widely based on application, monitoring level, size, and customization. For budgeting purposes, a basic system may cost a few hundred dollars, while fully featured smart cabinets for critical infrastructure can reach several thousand dollars. For precise pricing, it is recommended to request a quotation based on the specific project requirements, including rated current, number of circuits, monitoring features, and installation scope.

Article Content

Electrical AC/DC Power Distribution Box & Cabinet for

Gopower is a manufacturer of industrial ac/dc electrical power distribution box/board transformer power unit. We manufacturer rtu in scada system and feeder remote

Intelligent Distribution Solution | Huawei Enterprise

Huawei Intelligent Distribution Solution enables the rapid deployment of low-voltage distribution services on the cloud, intelligent end-to-side and O&M.

Intelligent Low-Voltage Distribution Boxes

Distribution boxes are usually made of high-quality materials, with a tight overall structure and good protection performance, which can effectively prevent power

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Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for construction and emergency use.

Low Voltage Electrical Boxes

Shop high-quality low voltage electrical boxes for reliable power distribution. Find durable, waterproof, and efficient solutions for your electrical needs.

Intelligent Distribution | Solutions | ABB

Our solutions for smart low voltage electrical installations are tailored to maximize continuity of service, energy efficiency and allow easy upgrades all along the lifecycle of the system.

SMC 3800V 100-1000A Fiberglass Low-Voltage

The low-voltage cable distribution box is applicable to the low-voltage power distribution system with AC 50Hz and rated voltage of 220/380v in industrial and

Ggd Low-Voltage Intelligent Distribution Cabinet

The GGD Low-Voltage Intelligent Distribution Cabinet is a high-performance, reliable power distribution solution designed for AC 50/60Hz, 400V low-voltage power systems.

Low Voltage Power & Data Distribution | LEONI Group

Cost savings by reducing the number of functional control units and optimizing the vehicle electrical system in terms of complexity, weight and installation space

Intelligent Low Voltage Power Distribution Cabinet ... From ...

This cabinet fits standard power distribution equipment and supports organized wiring setups. It is ideal for industrial environments with space constraints and requires regular inspection to maintain safety

Medium-voltage solid-state transformer | MVSST | Eaton

Eaton''s medium-voltage solid-state transformer (MVSST) is a next-generation power electronic solution that directly converts medium-voltage AC to low-voltage AC or DC. By simplifying multiple

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Intelligent Low-Voltage Distribution Boxes

Intelligent low - voltage distribution boxes are essential for power distribution. They''re used in residential areas to supply stable power to homes. In commercial

Electrical AC/DC Power Distribution Box & Cabinet for

The intelligent AC/DC power distribution box is a distribution automation measurement and control terminal applied to line distribution transformers. It has

How to determine the price of the distribution box

The distribution box is an important component of the power system and has profound applications in commercial, industrial, and other fields. The main job of

Low Voltage Intelligent Switchgear Market To Reach New Heights by

This report provides an in-depth analysis of the Low Voltage Intelligent Switchgear market in the world, covering market size, growth trajectory, demand structure, supply capability, trade flows,

BAOFENG BF-888S 5W UHF Radio[2 Pack]

The BF-888S walkie talkie is a tough little workhorse at an unheard-of price! It can keep workers connected inside warehouses, outside at construction sites or over

GGD AC Low Voltage Power Distribution Cabinet

1 Product Overview SP-JP intelligent low-voltage integrated distribution box is a new generation of intelligent low-voltage integrated distribution box developed and

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Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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