Control cabinet and distribution box price



Overview

How Much Does a Precision Power Distribution Cabinet Learn what affects the cost of a precision power distribution cabinet, including rated current, circui.

Key Takeaways

Control cabinets and distribution boxes typically range from $50 to over $1,000 depending on size, material, IP rating, and customization options.

Price Range Overview

Small, standard indoor cabinets: Prices start around $50–$150 for basic steel or ABS plastic enclosures suitable for indoor use. Medium to large industrial cabinets: Costs range from $200–$600, often made of sheet steel with corrosion-resistant coatings or stainless steel for durability. High-end or outdoor cabinets: For IP65/IP66-rated enclosures, stainless steel, or custom designs, prices can exceed $800–$1,200 per unit.

Factors Affecting Price

Material: Steel is strong and cost-effective, while aluminum is lightweight, corrosion-resistant, and non-magnetic, often increasing the price. Stainless steel offers superior durability for outdoor use. Size and Capacity: Larger cabinets with more internal space for components or future expansion cost more.



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Protection Rating (IP Rating): Higher IP ratings (IP65/IP66) for dust and water resistance increase cost, especially for outdoor installations. Customization: OEM branding, custom busbar fitment, cable entry modifications, and ventilation systems can significantly raise the price. Delivery and Order Volume: Wholesale orders or bulk purchases reduce per-unit cost, while custom or small orders may have higher prices and longer lead times.

Material and Installation Considerations

Indoor vs Outdoor: Indoor cabinets may not require weatherproofing, keeping costs lower, while outdoor cabinets need corrosion resistance, reinforced locks, and ventilation systems. Cooling Systems: Cabinets with fans, air conditioners, or heat exchangers for high-temperature environments are more expensive. Mounting Options: Wall-mounted, floor-standing, or portable designs can affect pricing.

Summary

For budgeting purposes, basic indoor control cabinets start around $50, while customized, high-protection outdoor distribution boxes can exceed $1,000. Prices vary widely based on material, size, IP rating, and customization, so contacting suppliers for quotes is recommended for accurate pricing.

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