

RIVO MULTITRADE OPTICAL SYSTEMS

Price of copper busbars for distribution cabinets



Overview

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Key Takeaways

Copper busbars for distribution cabinets typically range from \$15 to over \$400 depending on size, amperage rating, and customization. Retail and Standard Busbar Pricing

- Small copper flat bars (e.g., 1/8" x 1" x 12") are available for around \$15–\$20 per piece on RS Components and Amazon .
 - Wall-mounted grounding bars with multiple terminal positions (e.g., 12" x 2" x 1/4") are priced around \$54 at Lowe's .
 - Load centers with factory-installed copper busbars, such as Siemens PN Series 200 Amp 30-Space 48-Circuit panels, cost approximately \$301–\$434 depending on features and retailer promotions .
- Industrial and Custom Busbars
- Suppliers like Jintian Copper and Mehta Tubes offer high-current copper busbars for power distribution cabinets, switchgear, and control panels. Prices vary based on dimensions, copper grade (C10100, C11000, C10200), and processing such as annealing, plating, or insulation .

- Custom fabrication from companies like Electris or Storm Power Components considers material type, size, complexity, finishing, and order volume, which can significantly affect cost. Custom busbars can range from tens to hundreds of dollars per unit depending on specifications .

Factors Affecting Price

- Material Grade: Oxygen-free copper (C10100, C10200) is more expensive than standard electrolytic tough pitch copper (C11000).
- Dimensions: Larger cross-sections and longer lengths increase cost due to higher copper content.
- Current Rating: Busbars designed for higher amperage require thicker or wider bars, raising the price.
- Processing: Electroplating, insulation, or custom bending adds to manufacturing costs.
- Order Volume: Bulk orders often reduce per-unit cost, while small or urgent orders may be more expensive.

Summary

For standard distribution cabinet applications, expect \$15–\$60 for small to medium copper busbars and \$300–\$450 for complete panels with copper busbars. For custom or high-current industrial busbars, prices are highly variable and should be obtained via supplier quotes, considering material, size, and finishing requirements .

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