DC Intelligent Busbar Connection Price



Overview

A complete power solution for transformer to main panel board connections. Vertiv™ PowerBar HPB is a 1000V totally encased, non-ventilated and low impedance busbar.

Key Takeaways

DC intelligent busbar connections typically range from $20 to $200+ per unit, depending on current rating, number of poles, and smart monitoring features.

Pricing Overview

The cost of a DC intelligent busbar depends on several factors: Current rating and number of poles: Smaller busbars for 150–250A with 2–4 poles may cost around $20–$50, while heavy-duty busbars rated for 600A or more with multiple poles can exceed $150–$200 per unit. Material and construction: Copper or silver-plated copper busbars with high-quality insulation and stainless steel mounting hardware are more expensive than basic aluminum or brass options. Smart monitoring features: Busbars equipped with temperature sensors, RF communication, or hot-pluggable connectors for predictive maintenance can increase the price significantly, sometimes adding $50–$100 per unit.

Customization and modularity: Modular busbars with configurable terminal blocks or multiple stud sizes (M6, M8, M10) may cost more due to flexibility and ease of installation.



© 2026 BAGYOU FIBRE NETWORKS · All rights reserved

Typical Applications

Renewable energy systems: Solar and battery storage setups often use 48V DC busbars for efficient power distribution. Electric vehicles and industrial automation: High-current busbars with monitoring ensure safety and reliability in EV battery packs and industrial DC systems. Data centers and telecom: Intelligent busbars with real-time temperature monitoring help prevent failures and optimize power delivery.

Where to Buy

Mouser Electronics: Offers a range of busbar power connectors with datasheets and pricing for bulk orders. Accio: Provides high-performance 48V DC connector busbars suitable for solar, EV, and battery systems, including options with smart monitoring.

D

C Wiring and Amazon: Supply standard and heavy-duty busbars for marine, automotive, and renewable energy projects, with prices varying by size and current rating. For precise pricing, it is recommended to request a quote from suppliers based on your required current rating, number of poles, and any intelligent monitoring features.

Article Content

Busway Systems

A complete power solution for transformer to main panel board connections. Vertiv™ PowerBar HPB is a 1000V totally encased, non-ventilated and low impedance busbar.

Learn about our power busbar solution products | TE Connectivity

To connect various high voltage (HV) components to the HV system, we also deliver a wide variety of busbars. In cooperation with the customer, these can also feature our Bus Bar Insulation Tubing (BBIT).

POWER COMPONENT DESIGN SOLUTIONS

BENEFITS Solutions customized for end applications enable smaller, lighter, and robust on-board chargers. Connectors for the full range of two-way, Smart-Charging, and AC charging are provided

Power Distribution Solutions

Search our portfolio of Busbar Connectors and Power Cable Assemblies for data center and AI and select your specifications. Buy select products directly on TE .

Busbar systems

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

RiLine busbar systems for individual switchgear and controlgear up to 2100 A. Complete solutions for AC or DC applications. 3-pole, tool-free mounting, short circuit-resistant up to 65 kA, fully contact

High-Current High-Voltage Solutions

Molex provides a versatile range of high-current high-voltage busbar solutions suitable for various applications and environments. Busbars and busbar connectors are the backbone of many

Amazon : Bus Bar

Check each product page for other buying options. This product has sustainability features recognized by trusted certifications. Contains at least 50% recycled material.

Amazon : Electrical Bus Bars

Check each product page for other buying options. This product has sustainability features recognized by trusted certifications. Contains at least 50% recycled material.

Products overview | Schneider Electric

Discover Schneider Electric range of products: PLCs, motor starters, drives, circuit breakers, switches, sockets, lighting, transformers, substations, UPS etc...

Busbar Design for High-Power SiC Converters

Busbars are critical components that connect high-current and high-voltage subcomponents in high-power converters. This paper reviews the latest busbar design

Catalog LV 10 10/2017, chapter 17

The busbar trunking system for power distribution in the skilled trades and business: High degree of protection up to IP55 Flexible power supply Easy and quick planning Time-saving mounting Reliable

Busway Systems

The Vertiv™ Powerbar busway system patented range of busbar trunking adds overhead power distribution to your data center, allowing increased accessibility to power loads for maintenance. Our

Acrel Amb110-D Intelligent Busway DC Monitoring Meter for Data Center

Acrel Amb110-D Intelligent Busway DC Monitoring Meter for Data Center, Find Details and Price about Intelligent Busway DC Monitoring Meter Cater for Smart Power Bus Bar from Acrel

Learn about our power busbar solution products | TE Connectivity

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

Power Busbar Solution As data volume and broadband use continue to expand, Power capacity demands increase for data communication and telecommunication. TE innovated busbar solutions

Busbar trunking systems

In the digital age, the SIVACON 8PS busbar trunking systems allow you to opt for a superior alternative to cable – cost-effective, efficient, flexible and reliable. SIVACON 8PS in action.

POWER BUSBAR SOLUTION

POWER BUSBAR SOLUTION TE Connectivity''s busbar solutions are typically made from aluminum or copper with electrical distribution applications in mind, with the ability to transmit high current power

New busbar trunking system enables higher energy

The LData busbar trunking system is an economical and flexible alternative to conventional cables and gives operators a solution for intelligent

Optimal control of a DC microgrid with busbar matrix for high power

The paper proposes an optimal control approach of a DC microgrid with three reconfigurable battery strings and busbar matrix, operated as a fast charging station for electric

Contact Us

Continue your research online:

Website: https://bagyou.es
Technical inquiry: https://bagyou.es/project-enquiry.html

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

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved