

SOLUTIONS FOR
POWER MANAGEMENT



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MONTINORING LAMINATED BUS BAR SOLUTIONS FOR BATTERY APPLICATIONS



POWER AND SIGNAL
ALL-IN-ONE LAMINATED BUS BAR

FEATURES

- POWER AND SIGNAL CONNECTIONS IN ONE-PIECE BUS BAR
- FLEXIBLE CONSTRUCTION

BENEFITS

- REDUCED WIRING AND INSTALLATION TIME
- ELIMINATE WIRING ERRORS



MONITORING LAMINATED BUS BAR SOLUTIONS FOR BATTERY APPLICATIONS

Reduce Installation Time and Eliminate Wiring Errors

In today's fast growing battery-related applications, installers are often confronted with the challenge of connecting multiple battery cells for power distribution using individual copper or aluminum conductors. Another layer of complexity is then added as separate set of wires need to be applied to every battery cell, commonly used for the purpose of voltage and temperature monitoring. This traditional described connection method creates a less than optimum functioning platform, especially for E-vehicles where lightweight and compact design attributes are greatly preferred.

The all-in-one monitoring laminated bus bars from Mersen are custom designed to reduce the installation time and to eliminate wiring errors by combining power and signal lines in a one-piece flexible solution. Mersen's bus bar's Integrated connectors plug easily into the battery module and connect the monitoring signals to the battery management system.

Customer Benefits

- Signal and power in one bus bar piece
- Reduced installation time compared to traditional wiring
- No wiring errors during assembly
- Save space
- Optimum signal quality thanks to pre-fabrication thermal and electrical simulations
- Reduced Inductance
- Improved thermal management
- Increased current carrying capacity
- Flexible design allows for ease of installation

Typical Market Segments

- E-Vehicles
- Traction
- Renewable Energies
- Energy Storage

