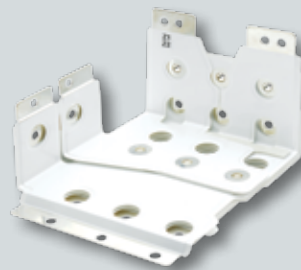
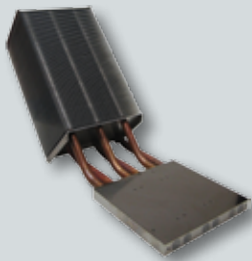




SAFETY,
RELIABILITY AND
PROTECTION FOR
TRANSPORTATION
INDUSTRY



**Serving the Power
Electronics Market**

- **Cooling**
- **Bus Bars**
- **Fuses**

SOLUTIONS FOR POWER MANAGEMENT FROM MERSEN

TRANSPORTATION: WEIGHT REDUCTION AND ENHANCED PACKAGING

When it comes to cooling, powering or protecting electrical drivetrain and power storage systems in rail and subway vehicles, Mersen brings unique advantages to the transportation industry. We understand the importance of weight reduction and packaging efficiency so that our power management solutions are customized to best serve the exigent needs of the fast growing electric and hybrid transportation market. A properly engineered laminated bus bar provides the lowest overall system inductance and the most balanced and distributed capacitance.

As Silicon Carbide (SiC) technology becomes more and more accepted in transportation industry, all Mersen

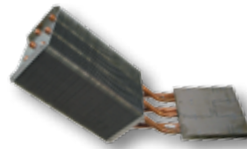
laminated bus bars models are optimally designed to minimize unwanted “skin effect” resulting from high switching nature of Silicon Carbide (SiC) applications.

Mersen laminated bus bars help transportation equipment manufacturers achieve their reliability goals, thus lowering warranty costs and enhancing customer satisfaction. Our cooling solutions application engineers work closely with our customers from the earliest stage of design, driving towards the most robust and reliable cooling solution in the most compact footprint. Mersen’s market leading range of surge protection devices and semiconductor fuses are built to offer the highest level of protection against transients and overcurrents that can commonly occur on a electric vehicle drive train and power distribution networks. Some examples of our solutions are:

HIGH SPEED TRACTION
INVERTER BUS BAR



HEAT PIPE HEAT SINK
FOR ELECTRIC TRAIN



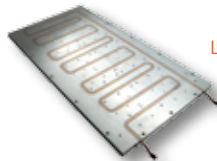
DC FUSES FOR
PROTECTION OF
RAILWAY POWER AND
AUXILIARY CIRCUITS



ELECTRIC VEHICLE
POWER
DISTRIBUTION
BUS BAR



LIQUID COOLED AQUASURF®
TUBED COLDPLATE
WITH COPPER TUBES



HIGH
PERFORMANCE
SQUARE BODY
FUSE



ALTERNATIVE ENERGY



TRANSPORTATION



INDUSTRIAL



DESIGN • SIMULATIONS
• TESTING •



MILITARY



SOLUTIONS FOR SiC
APPLICATIONS

Mersen is your supplier of choice for power management solutions for various industries. Contact us at ep.mersen.com for more information.