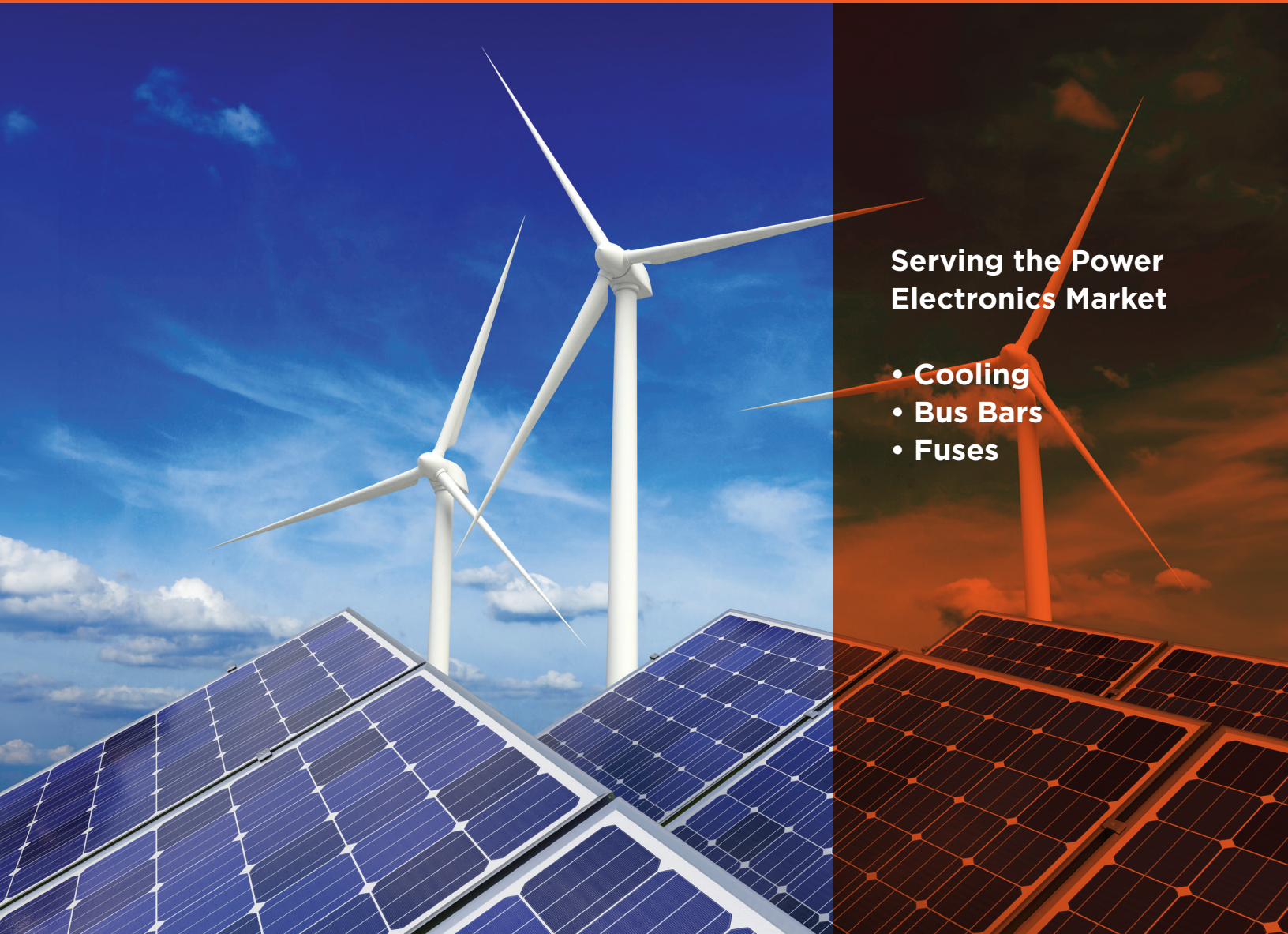
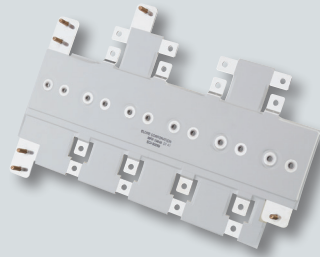
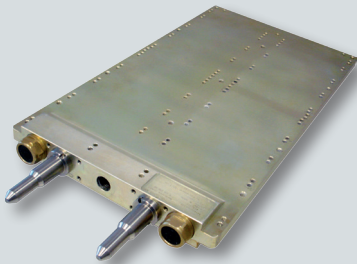




Ferraz Shawmut | Eldre | Idealec | FTCAP

SAFETY,
RELIABILITY
AND PROTECTION
FOR ALTERNATIVE
ENERGY



**Serving the Power
Electronics Market**

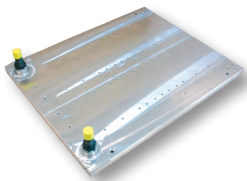
- **Cooling**
- **Bus Bars**
- **Fuses**

SOLUTIONS FOR POWER MANAGEMENT FROM MERSEN

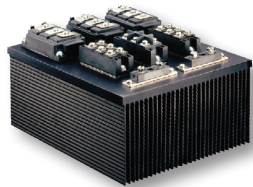
ALTERNATIVE ENERGY: MINIMIZE WEIGHT AND MAXIMIZE EFFICIENCY

From solar power to wind to energy storage systems and electric vehicles, Mersen's Solutions for Power Management enable customers to increase the safety and reliability of their systems. Mersen's decades of expertise in designing custom cooling and bus bar solutions provides today's fast growing alternative energy industry with peace of mind and years of uninterrupted service. Our glue-less patented swaged heat sink fins technology provide a superior cooling performance specially benefiting the Silicon Carbide (SiC) applications. Whether it is in Solar, Wind Power or Fuel Cells, the creation of DC energy feeds directly through Mersen's low inductance laminated bus bars into power modules (IGBT, SiC or GaN) and capacitor circuit, delivering the safe and efficient power our customers demand.

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's dedicated teams of application engineers work closely with our customers from the very early design stages to create the optimum cooling and bus bars solutions to effectively reduce system weight and increase efficiency. Mersen's photovoltaic (PV) fuse series was engineered and designed specifically for the protection of photovoltaic systems. Its enhanced fuse construction makes it ideal for continuous temperature and current cycling withstand adding to system longevity. Here are some examples of our solutions:



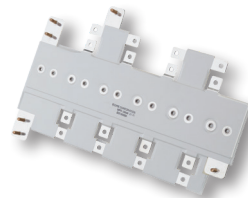
LIQUID COOLED AQUAMAX®
VACUUM BRAZED ALUMINUM
HEAT SINK



AIR-COOLED
HEAT SINK



ALTERNATE FUEL SYSTEMS
BUS BAR: FUEL CELLS AND
HYBRID ELECTRIC VEHICLES
REQUIRE RUGGED, RELIABLE
POWER DISTRIBUTION



SOLAR POWER BUS BAR:
MULTILAYER, LAMINATED BUS
BAR USED IN A PHOTOVOLTAIC
INVERTER APPLICATION



HP10M PHOTOVOLTAIC (PV)
FUSE SERIES AND
HP15NH3L PV
FUSE SERIES



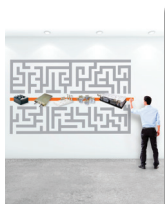
ALTERNATIVE ENERGY



TRANSPORTATION



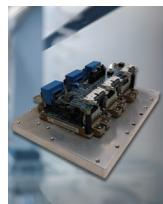
INDUSTRIAL



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.