

BATTERY THERMAL MANAGEMENT SYSTEM LIQUID-COOLED CONDENSER

Combining proprietary Modine® heat exchanger technology with tailored smart electronic products, the EVantage™ Battery Thermal Management System with Liquid-Cooled Condenser (L-CON BTMS) delivers a complete solution, including a master thermal controller and Modine-developed firmware. The L-CON BTMS is proven to withstand dirty environments, delivering the right fit for space-constrained chassis used in harsh applications.



DURABLE

Ready to withstand any environment, no matter how dirty or rugged



FLEXIBLE

Its small size makes it easy to fit in any chassis



WEATHER SAFE

Designed for harsh environments – IP67 ingress protection, corrosion resistant materials, fully sealed wiring harness, rigorous validation testing



RELIABLE

Modine patented failsafe system for maximum system reliability



CONVENIENT

Included master thermal controller with Modine-developed firmware and SAEJ1939 CAN communications



EASY MAINTENANCE

Included Maintenance and Diagnostics Software for system monitoring, diagnostics message datalogging and preventative maintenance tracking



PERFECT FOR MULTIPLE VEHICLE APPLICATIONS

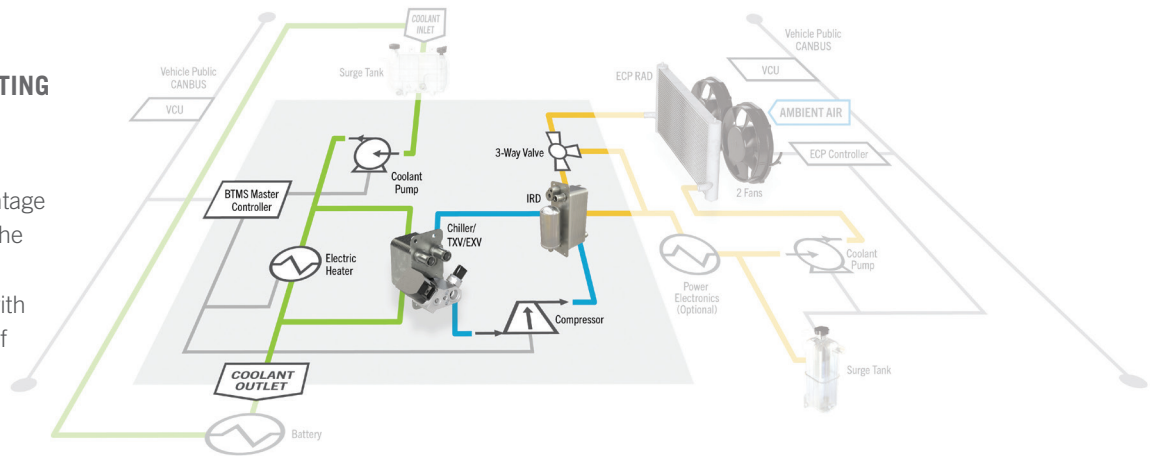


Our products are designed and tested at our headquarters in Racine, WI; and manufactured in Lawrenceburg, TN.

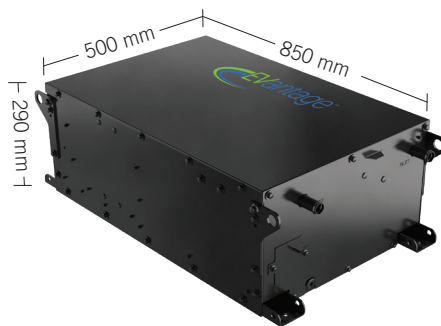


COMPLETE SOLUTION FOR COOLING AND HEATING TO FIT TIGHT SPACES

With both cooling and heating circuits, the EVantage L-CON BTMS optimizes the temperature range for an entire bank of batteries with a single unit in all types of environments



L-CON BATTERY THERMAL MANAGEMENT SYSTEM



TECHNICAL DATA

	Heavy Duty (24V, 7kW) MOD-LC-50-24-A-10	Heavy Duty (12V, 7kW) MOD-LC-50-12-A-10
Active Cooling Circuit	7 kW	7 kW
Cooling Capacity @		
Outside Temperature	44°C	44°C
Coolant temp – LCON Loop	55°C	55°C
Coolant Outlet Temperature	30°C	30°C
Coolant Flow – Chiller	2400 l/h	2400 l/h
Passive Cooling Circuit	No	No
Maximum Power Consumption	10.0 kW	10.0 kW
High Voltage (Heating)	10.0 kW	10.0 kW
High Voltage (Cooling)	6.0 kW	6.0 kW
Low Voltage	2.0 kW	2.0 kW
Voltage Inputs		
High Voltage	450 - 760 V	450 - 760 V
Low Voltage	24 V	12 V
Heater Capacity	0-10 kW	0-10 kW
Weight (Max.) without Coolant	80 kg	80 kg
Communication Interface	CANBUS J1939	CANBUS J1939
Dimensions (L x W x H)	850 x 500 x 290 mm	850 x 500 x 290 mm
Refrigerant	R134a (Shown) /R1234yf	R134a (Shown) /R1234yf
Additional Features	Steel Frame Integrated Pump	Steel Frame Integrated Pump

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