

## ELECTRONICS COOLING PACKAGE

The EVantage ECP is a complete solution designed to effectively cool down the power electronics and traction motor of your electric vehicle. Combining state-of-the-art, proprietary Modine heat exchanger technology with tailored smart electric fans, the EVantage ECP delivers a complete solution, including a master thermal controller and Modine-developed firmware, in an easy-to-integrate package.



### CUSTOMIZABLE

Multiple configurations for different space constraints and cooling capacity



### FLEXIBLE

Different mounting options – roof, chassis, body – available testing



### WEATHER-SAFE

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



### RELIABLE

Modine patented fail-safe 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 data logging and preventative maintenance tracking



### PERFECT FOR MULTIPLE VEHICLE APPLICATIONS

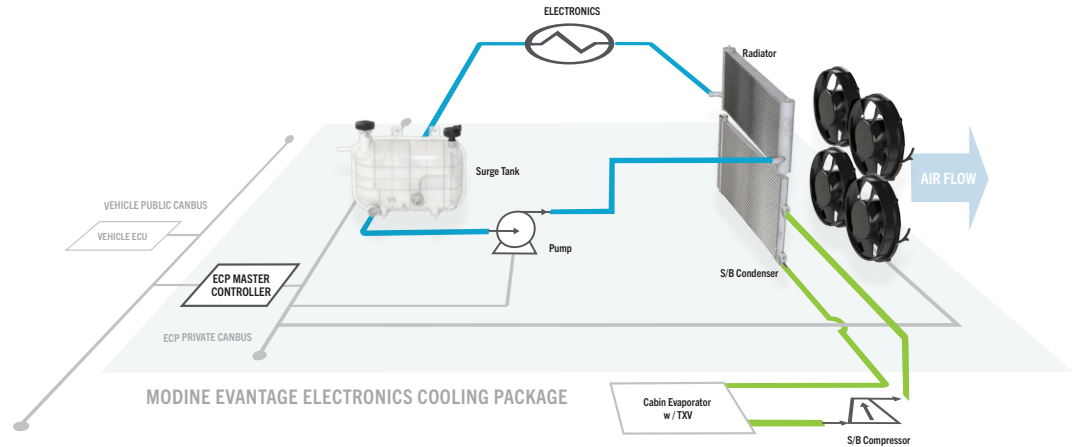


Our products are designed and tested at our headquarters in Racine, WI; and manufactured in Lawrenceburg, TN.



### MULTI-ZONE COOLING FOR REDUCED POWER DRAW

With multi-zone cooling, each ECP is designed to your specification with small to large fan arrays that operate only when required, minimizing the power draw.



### EVANTAGE™ ELECTRONICS COOLING PACKAGE TECHNICAL DATA

	1-Fan	2-Fan	4-Fan	6-Fan
<b>Status</b>	In Production	In Production	In Production	In Production
<b>Maximum Cooling Capacity</b>	10 kW	20 kW	30 kW	40 kW
Cooling Capacity @				
Outside Temperature	45°C	45°C	45°C	45°C
Coolant Outlet Temperature	65°C	65°C	65°C	65°C
Coolant Flow	1,200 l/h	1,800 l/h	2,700 l/h	3,600 l/h
<b>Maximum Power Consumption</b>	0.6 kW	1.2 kW	2.4 kW	3.6 kW
<b>Weight (Max.) without Coolant</b>	10 kg	20 kg	40 kg	60 kg
<b>Dimensions (L x W x H)</b>	580 x 370 x 210 mm	920 x 370 x 210 mm	920 x 860 x 290 mm	1150 x 800 x 320 mm
<b>Control Interface</b>	CANBUS J1939	CANBUS J1939	CANBUS J1939	CANBUS J1939

#### Modine Manufacturing Company

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