

Battery Thermal Management System

The battery thermal management system is a key technology to solve battery heat-related problems and ensure the performance, safety and life of power batteries. Intelligent battery thermal management system maintains longer driving range and enhances longer battery life.



- Customizable: dimension / cooling / heating
- Intelligent temperature control
- Cooling/heating capacity ranges 5KW-8KW
- Roof top mounted & Horizontal & Vertical
- Integratable expansion tank and heating system($\geq 14\text{kW}$)
- Electronic control system
- Lightweight & Compact structure
- Control panel in real time

Our offerings

Cooling Capacity	High voltage input	Low voltage input	Size	Refrigerant type	Coolant	PTC heater
3 KW	DC250-380V	DC9-16V	L454*W565*H302	HFC-134a	50% Glycol solution	/
8 KW	DC400-750V	DC24V	L1029*W1369*H280	R134a	50% Glycol solution	integratable, $\leq 14\text{Kw}$
5 KW	DC400-750V	DC24V	L1029*W1369*H280	R134a	50% Glycol solution	integratable, $\leq 14\text{Kw}$
5 KW	DC400-750V	DC24V	L643*W599*H383	R134a	50% Glycol solution	/
7 KW	DC400-750V	DC24V	L835*W560*H310	R410a	50% Glycol solution	/
8 KW	DC400-750V	DC24V	L669*W621*H461	R134a	50% Glycol solution	/

- **Cooling and Heating Technology**

We use efficient cooling technology and intelligent temperature control algorithms to improve energy efficiency through system integration. Our BTMS maintains the stability of battery performance under different working conditions.

- **High-precision Temperature Control**

We adopt efficient cooling technology and intelligent temperature control algorithm. Intelligent predictive control of the battery thermal management system enables intelligent energy management and control.

- **Extend Battery Life and Cost Benefit**

The use of efficient battery thermal management systems can reduce energy consumption and extend battery life, thereby achieving cost savings. Then enables electric vehicles to achieve longer driving range and service life.

- **Safety and Reliability**

Our products reduce the risk of battery thermal runaway through intelligent and precise temperature control, and maintain the stability of battery performance under different working conditions.