



4KW Battery Thermal Management System

Model No.: ATT4K-540S24-W

Specification

Item	Description	Technical Specification
1	Weight	≤43kg
2	Dimensions	650x543x290mm
3	Rated Cooling Capacity	1~4KW
4	Rated Heating Capacity	0~5KW
5	Condensing Air Volume	1800m ³ /h
6	Water Pump	24VDC, 150W
7	Circulating Water Volume	20L/min (lift>10 meters)
8	Nozzle Diameter	Φ25 mm
9	Coolant Outlet Temperature	10~35°C
10	Compressor Rated Voltage	540VDC
11	Compressor Operating Voltage	400~750VDC
12	Refrigerant Type	R134a
13	Ingress Protection of Whole Unit	IP54
14	Ingress Protection of Low Voltage Components	IP66
15	Ingress Protection of High Voltage Components	IP67
16	Coolant	50% ethylene glycol
17	Communication Method	CAN2.0



Item	Description	Technical Specification
Environment		
1	Ambient Temperature	-30~50°C
2	Coolant	Antifreeze (50% ethylene glycol aqueous solution)
3	Power Supply Type	DC
Electrical parameters		
1	HV Rated Voltage	540VDC
2	High Voltage Range	400~750VDC
3	Low Voltage Rated Voltage	24VDC
4	Low Voltage Range	19~32VDC
5	Compressor Rated Power	2KW
6	Air Cooling Fan Rated Power	250W
7	Fan Maximum Air Volume	2000m ³ /h (single)

Structural Parameters

