

SKANBATT

LITHIUM

HEAT

LITHIUM IRON PHOSPHATE BATTERY

HEAT-5050BS (APP: V2Battery)

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	50 Ah
Capacity @ 0.2C	>290 min
Energy	640 Wh
Resistance	< 50 mΩ
Efficiency	99%
Self Discharge	<5% per Month
Maximum Modules in Series	1

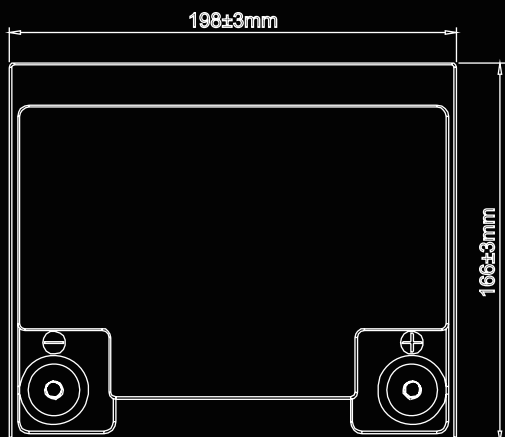
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50 A
Peak Discharge Current	150 A <5s
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	10 V
Reconnect Voltage	12 V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	❄ -22 to 131 °F (-30 to 55 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)

DIMENSIONAL SPECIFICATIONS



MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	198 x 166 x 169 mm
Weight	6.0 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP65
Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	< 15 A
Maximum Charge Current	50 A
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	15.0 V
Reconnect Voltage	14.9 V

BATTERY FUNCTIONS

Bluetooth	Yes
Active Cell balance	Yes
Heater	Yes

