

# SKANBATT

## LITHIUM

### HEAT

## LITHIUM IRON PHOSPHATE BATTERY

### HEAT-4850BS (APP: V2Battery)

#### ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2 V
Nominal Capacity	50 Ah
Capacity @ 0.2C	>290 min
Energy	2560 Wh
Resistance	<70 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	44 v
PCM Discharge Voltage Cut-Off	40 V
Reconnect Voltage	48 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)	483 x 170 x 240 mm
Weight	21,2 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP65
Chemistry	LiFePO <sub>4</sub>

#### CHARGE SPECIFICATIONS

Recommended Charge Current	< 15 A
Maximum Charge Current	50 A
Recommended Charge Voltage	56.8 V - 58.4 V
PCM Charge Voltage Cut-Off	60.0 V
Reconnect Voltage	59.6 V

#### BATTERY FUNCTIONS

Bluetooth	Yes
Active Cell balance	Yes
Heater	Yes

