

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	25 Ah
Capacity @ 0.2C	>290 min
Energy	640 Wh
Resistance	<50 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	25 A
Peak Discharge Current	50 A (3S)
Recommended Low Voltage Disconnect	22 V
PCM Discharge Voltage Cut-Off	20 V
Reconnect Voltage	24 V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20 to 60 °C
Charge Temperature	-20 to 60 °C
Storage Temperature	-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	6.7 kg
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	<12.5 A
Maximum Charge Current	25 A
Recommended Charge Voltage	28.4 V - 29.2 V
PCM Charge Voltage Cut-Off	29.2 V
Reconnect Voltage	28.0 V
Balancing Voltage	3.4V per cell and 30mV cell gap

BATTERY FUNCTIONS

Bluetooth	Yes
Active Cell balance	Yes
Heater	Yes

