

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	10 Ah
Capacity @ 0.2C	>290 min
Energy	128 Wh
Resistance	< 50 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	10 A
Peak Discharge Current	20 A
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	8 V
Reconnect Voltage	10 V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 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)	151 x 98 x 101 mm
Weight	1.30 kg
Terminal Type	F2
Case Material	ABS
Enclosure Protection	IP56
Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	<5 A
Maximum Charge Current	10 A
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	14.6 V
Reconnect Voltage	14.0 V
Balancing Voltage	3.4V per cell and 30mV cell gap

