

### LITHIUM IRON PHOSPHATE BATTERY

#### ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	100 Ah
Capacity @ 0.2C	>290 min
Energy	2560 Wh
Resistance	< 50mΩ
Efficiency	99%
Self Discharge	<5% per Month
Maximum Modules in Series	2
Maximum Modules in Parallel	4

#### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100 A
Peak Discharge Current	250 A
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	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	 -4 to 140 °F (-20 to 60 °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)	502 x 186 x 242 mm
Weight	22.6 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP54
Cell Type - Chemistry	LiFePO <sub>4</sub>

#### CHARGE SPECIFICATIONS

Recommended Charge Current	< 50 A
Maximum Charge Current	100 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/cell and 30mV cell gap

#### BATTERY FUNCTIONS

Bluetooth	Yes
Active Cell Balance	Yes
Heater	Yes
Victron CAN and NMEA2000	Yes

