

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Capacity @ 0.2C	>290 min
Energy	5120 Wh
Resistance	50 mΩ
Efficiency	99%
Self Discharge	<5% per Month
Maximum Modules in Series	1

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	150 A
Peak Discharge Current	300 A (30 s)
PCM Discharge Current Cut-Off	350 (±50 A)
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	-20 to 60 °C
Charge Temperature	0 to 60 °C
Storage Temperature	-20 to 60 °C
PCM High Temperature Cut-Off	80 °C

DIMENSIONAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	490*324*240 mm
Weight	46 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	Metal
Enclosure Protection	IP66
Cell Type - Chemistry	LiFePO4

CHARGE SPECIFICATIONS

Recommended Charge Current	20 A
Maximum Charge Current	50 A
PCM Charge Current Cut-Off	100 A
Recommended Charge Voltage	56.8 V - 58.4 V
PCM Charge Voltage Cut-Off	58.4 V
Reconnect Voltage	56 V
Balancing Voltage	3.4V per cell and 30mV cell gap

BATTERY FUNCTIONS

Bluetooth	Yes
Active Cell balance	Yes
Victron CAN and NMEA2000	Yes

