

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	300Ah
Capacity @ 0.2C	>290 min
Energy	7680 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	100A
Peak Discharge Current	300A
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)	542 x 380 x 210 mm
Weight	50.5 kg
Terminal Type	SAE & M8
Case Material	ABS
Enclosure Protection	IP44
Chemistry	LiFePO ₄

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

