



ELECTRICAL

Nominal Voltage	12.8V
Working Voltage	10.8V - 14.6V
Nominal Capacity (Ah)	120
Energy (Wh)	1,536
Reserve @ 25A (Minutes)	288
Self Discharge (per Month)	1-3%
Maximum Batteries in Series	1
Heating Element	Yes

DISCHARGING

Max Continuous Discharge	150
Max Discharge (8-10 Sec)	800
Recom. Voltage Cutoff	11.0V
BMS Voltage Cutoff	9.0V
BMS Voltage Recovery	11.0V

CHARGING

Recom. Charging Current	≤60
Max Charging Current	120
Bulk/Absorb Voltage	14.2 - 14.6
BMS High Voltage Cutoff	15.6V
<32° Low Temp Heating	Yes

TEMPERATURE

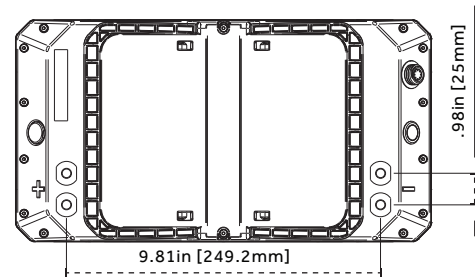
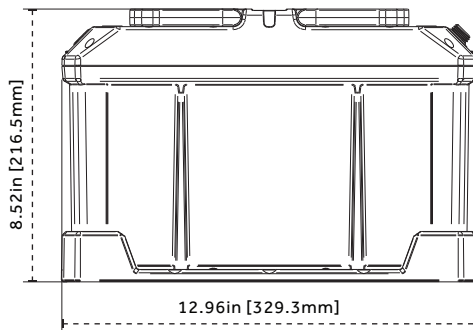
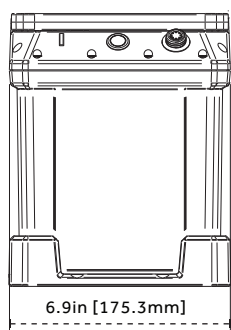
Discharge Temperature	-10 to 140F
Charge Temperature	34 to 130F
Storage Temperature	23 to 95F
BMS High Temp. Cutoff	176F
Reconnect Temperature	122F

MECHANICAL

Dimensions L x W x H	330x176x217mm
Weight (LBS)	29
Terminal Count	4
Terminal Type	M8 x 1.25 x 12mm
Terminal Torque	9-11 N·m (80-100 in-lbs)
Case Material	ABS & PC Blend - UL94V0
Ingress Protection Rating	IP67
Cell Type - Chemistry	Cylindrical LFP

COMMUNICATION

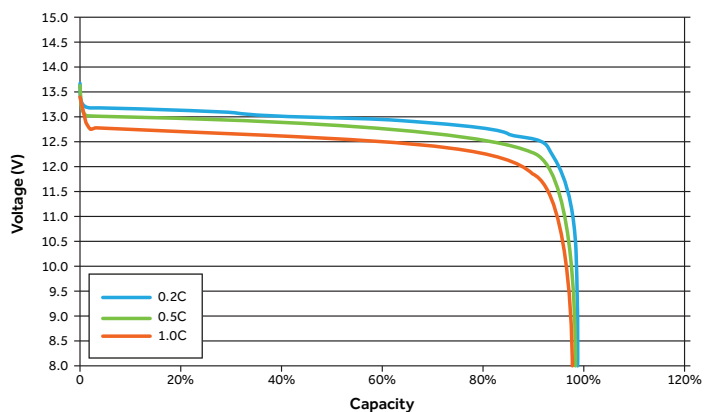
Bluetooth	Class 2
CAN	Yes
CAN Connector	M16-7P
Compatible Protocols	RV-C, NMEA2000, Victron
On/Off Button	Yes



TYPICAL LITHIUM CHARACTERISTICS

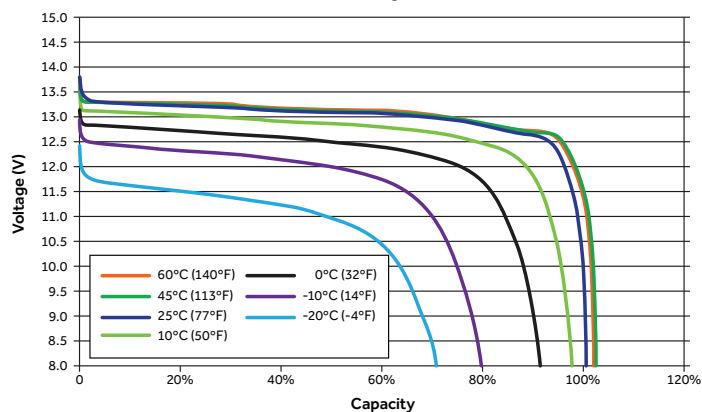
Discharge Voltage Characteristics at Various Rates

25°C (77°F)



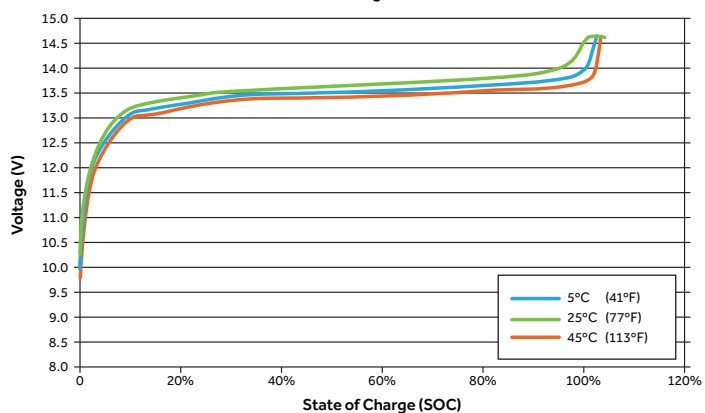
Discharge Voltage Characteristics at Various Temperatures

Discharge 1C



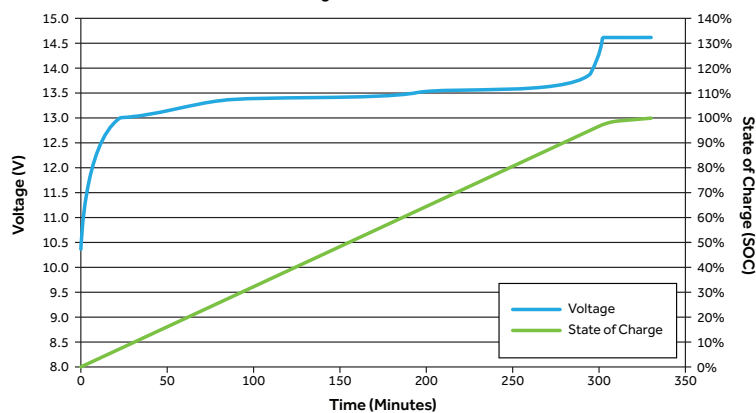
Charge Voltage Characteristics at Various Temperatures

Charge 0.2C



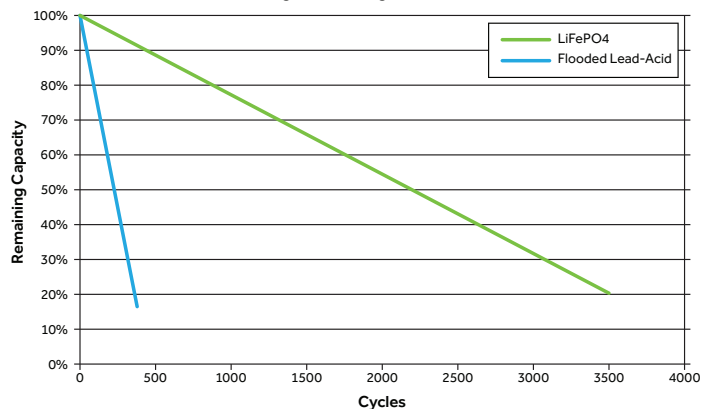
Charge Voltage & State of Charge

Charge 0.2C @ 25°C (77°F)



Cycle Life vs Depth of Discharge (DOD) at 80%

Discharge 0.5C/Charge 0.5C @ 25°C (77°F)



Capacity of LiFePO4 vs Lead-Acid at Various Rates of Discharge

