

### LITHIUM IRON PHOSPHATE BATTERY

#### ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	300 Ah
Capacity @ 0.2C	>290 min
Energy	3840 Wh
Resistance	<30 mΩ
Efficiency	99%
Self Discharge	<5% per Month
Maximum Modules in Series	4

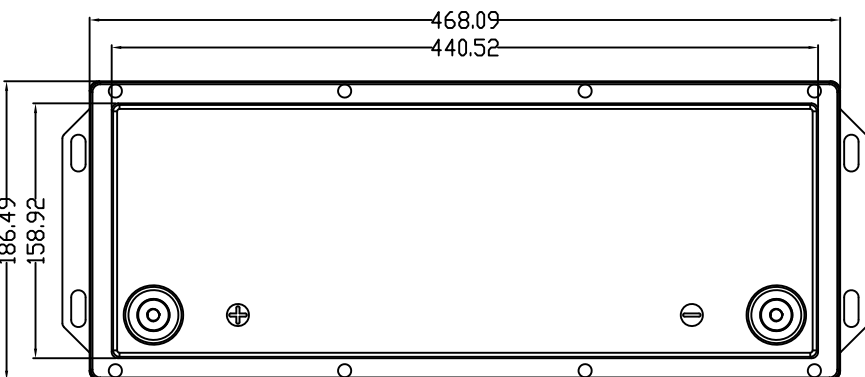
#### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200A
Peak Discharge Current	400 A
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	10 V
Reconnect Voltage	12 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

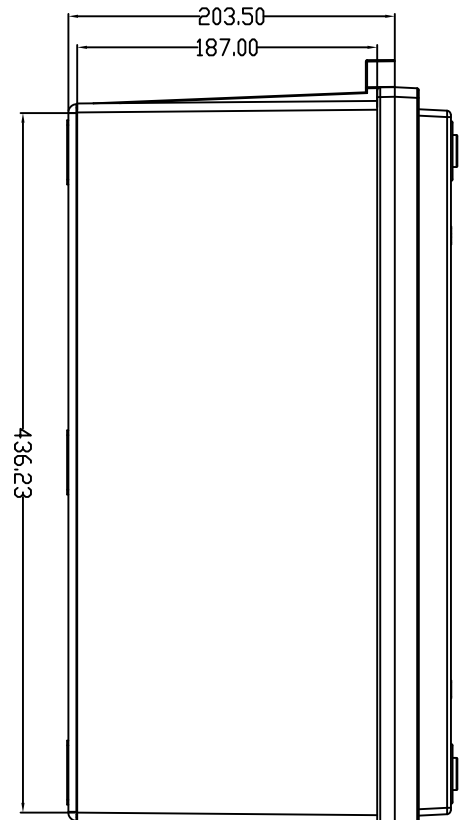


#### MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	483 x 170 x 240 mm
Weight	26 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	LiFePO <sub>4</sub>

#### CHARGE SPECIFICATIONS

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



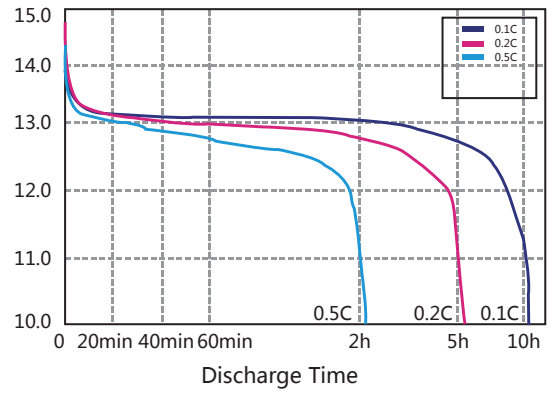
### BATTERY APP

Connect the battery via Bluetooth to your smartphone (iOS/Android).  
The battery app will display real-time data on the interface of the app:  
State of charge, voltage, capacity, temperature, cycle life, ...

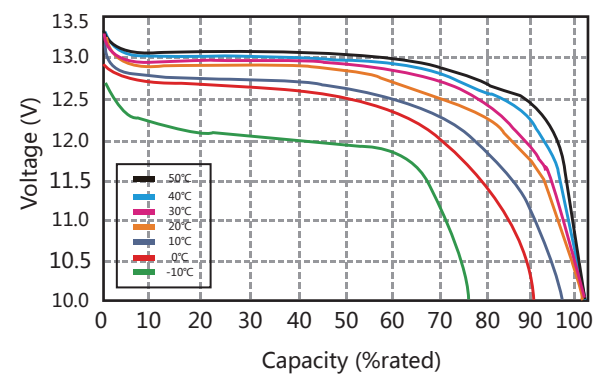


### PERFORMANCE CHARACTERISTICS

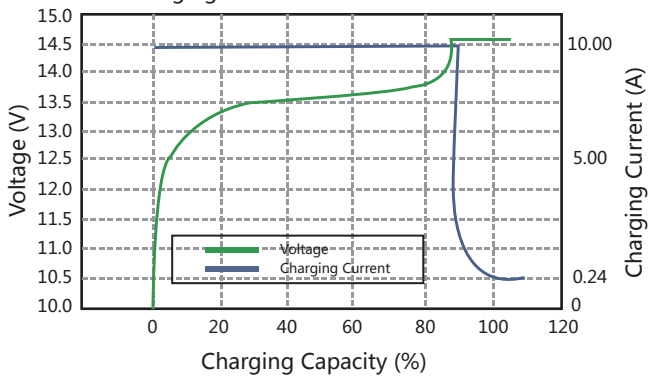
Different Rate Discharge Curve @25°C



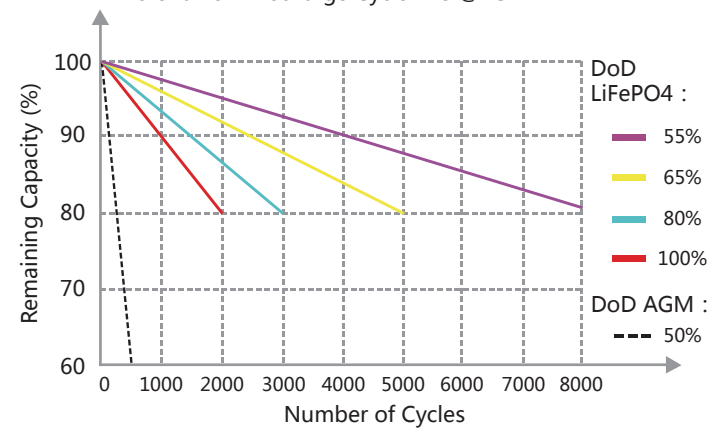
Different Temperature Discharge Curve @0.5°C



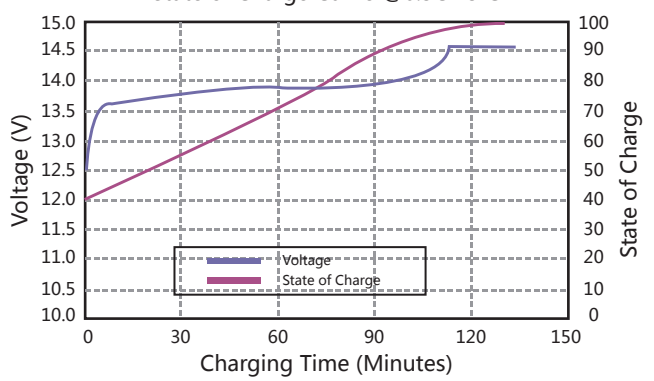
Charging Characteristics @0.5C 25°C



Different DoD Discharge Cycle Life @1C



State of Charge Curve @0.5C 25°C



Different Temperature Self Discharge Curve

