

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Capacity @ 0.2C	>290 min
Energy	1280Wh
Resistance	<20 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	1
Maximum Modules in Parallel	No limited

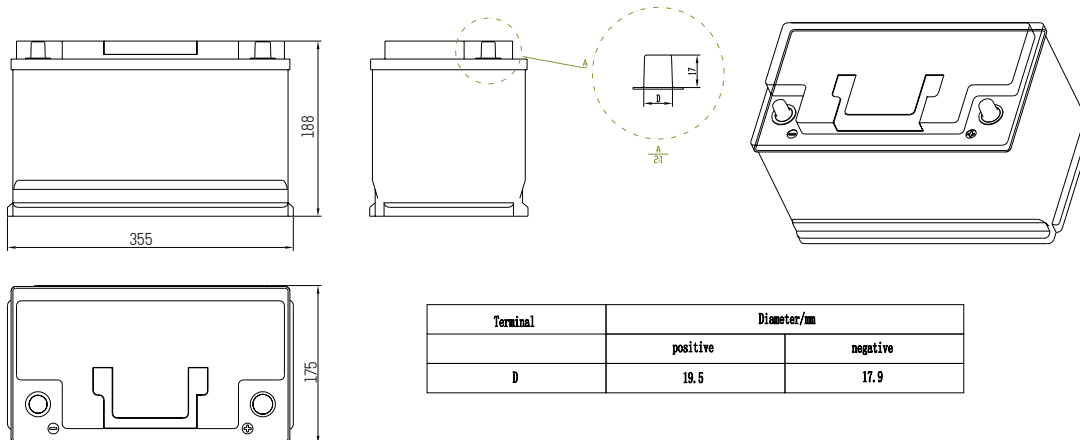
DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200 A
Peak Discharge Current	450 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	-30 to 60 °C
Charge Temperature	-30 to 60 °C
Storage Temperature	-30 to 60 °C
PCM High Temperature Cut-Off	80 °C

DIMENSIONAL SPECIFICATIONS



Terminal	Diameter/mm	
	positive	negative
D	19.5	17.9

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	355 x 175 x 188 mm
Weight	10.8 kg
Terminal Type	SAE
Case Material	ABS
Enclosure Protection	IP65
Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	< 30 A
Maximum Charge Current	50A
Recommended Charge Voltage	14.2 V - 14.6 V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4 V
Low temperature charging disconnect:	15.2 V
Active Balance Current:	1-3A

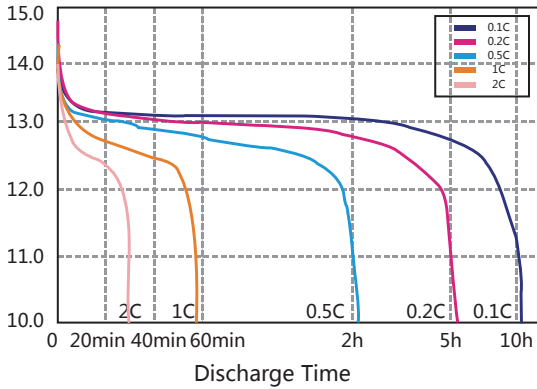
BATTERY APP

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, ...

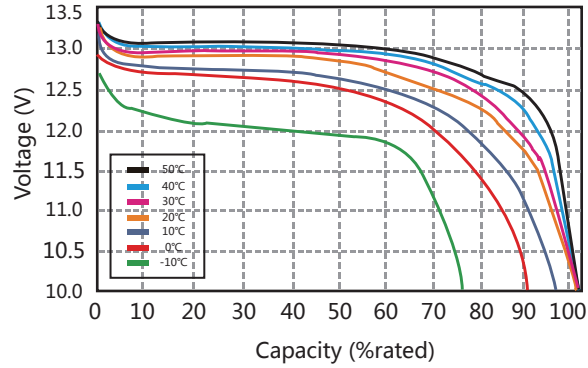


PERFORMANCE CHARACTERISTICS

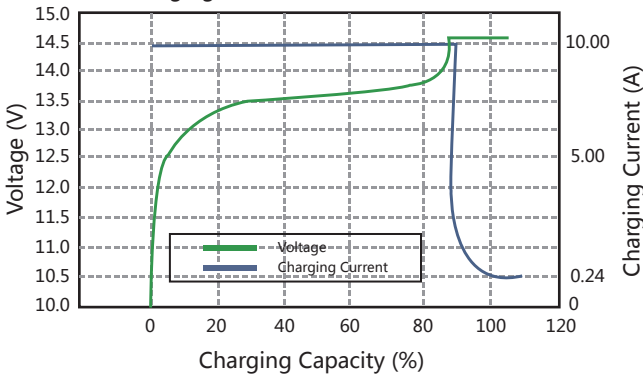
Different Rate Discharge Curve @25°C



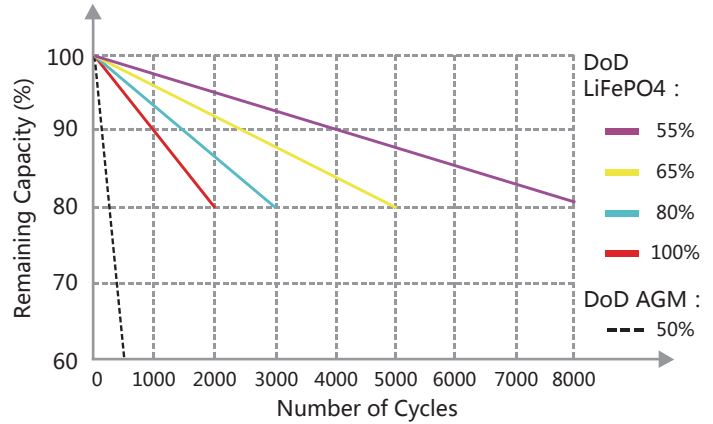
Different Temperature Discharge Curve @0.5°C



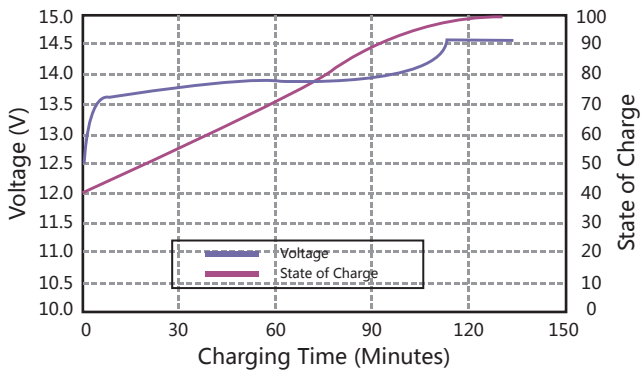
Charging Characteristics @0.5C 25°C



Different DoD Discharge Cycle Life @1C



State of Charge Curve @0.5C 25°C



Different Temperature Self Discharge Curve

