

LITHIUM IRON PHOSPHATE BATTERY (LIFEPO4) 12.8V - 150AH

This series is a complete solution for replacing lead-acid batteries with lithium batteries. It can be used in RVs, electric vehicles, electric boats, home energy storage, base station backup power, UPS and solar/wind energy storage systems.

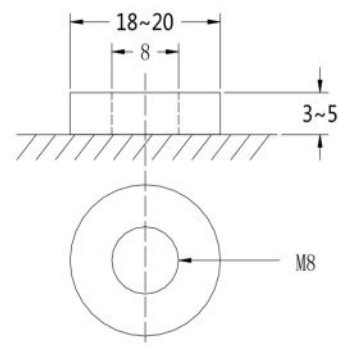
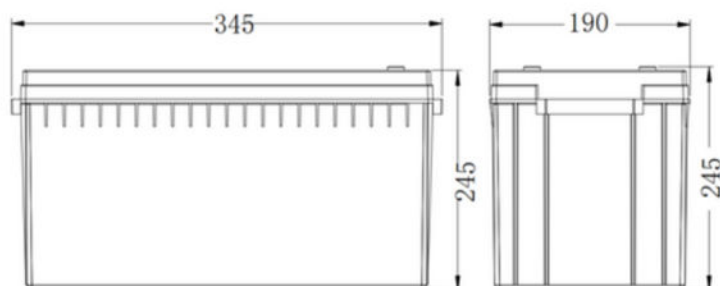
Features:

- Long cycle life
- High energy density
- High discharge power
- Fast charging
- Wide temperature operating
- Low self-discharge
- BMS protection
- Maintenance-free

Product Image



Dimensions (mm) :

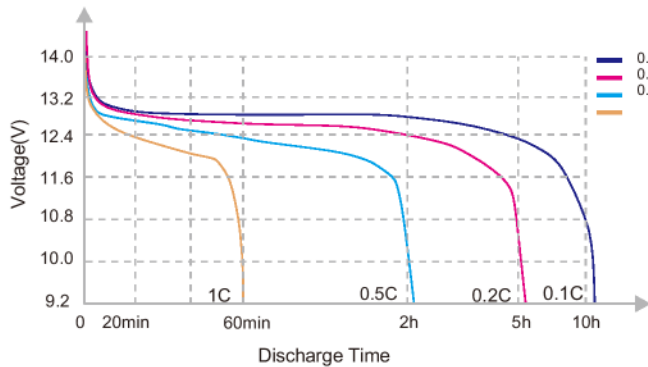


Battery specifications:

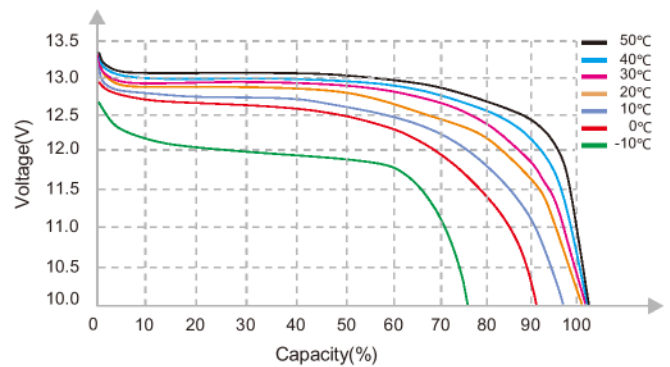
Operating Voltage range(V)	10.0~14.6
Nominal Voltage(V)	12.8
Nominal Capacity(Ah)	150/C5
Energy(Wh)	1920
Charge Cut-off Voltage(V)	14.6±0.2
Standard Charging Current 0.2C(A)	30
Rated Charging Current 0.5C(A)	75
Max. Charge Current 1C(A)	150
Rec.low Voltage Disconnect(V)	10
Standard Discharge Current 0.2C(A)	30
Rated Discharge Current 0.5C(A)	75
Max. Discharge Current 1C(A)	150
Maximum pulse current <3s(A)	450
Internal Resistance(mΩ)	≤40
Charge Temperature(°C)	0~55
Discharge Temperature(°C)	-10~60
Storage Temperature(°C)	-10~45
Cycle Life(cycles @1C 100%DOD) at 25°C	≥4000
Monthly Self-discharge Rate by 20-25 °C	< 3%
IP Class	Ip67
Weight (kg)	About.14.1
Dimensions(mm)	345*190*245
BMS	150A 4S/4P
Bluetooth And Self-heating	Optional

CHARACTERISTIC CURVES

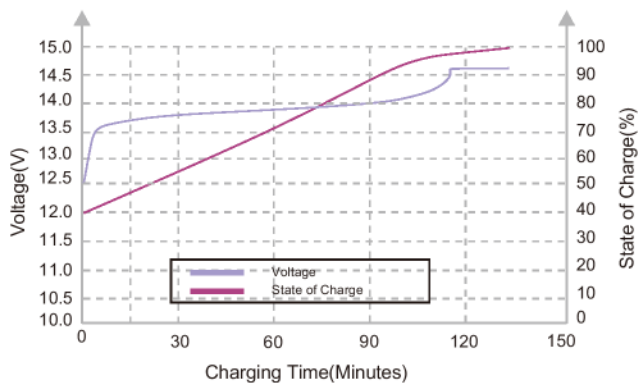
Different Rate Discharge Curve(25°C)



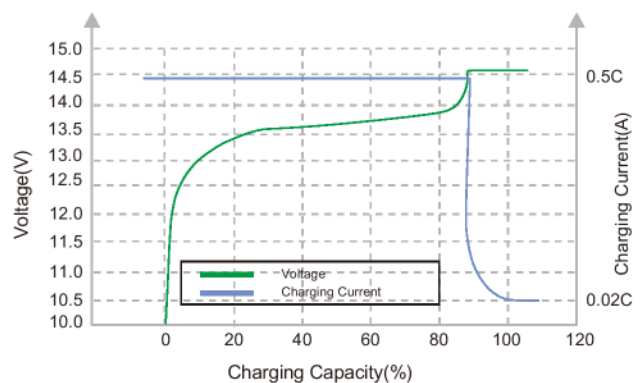
Different Temperature Discharge Curve(0.5C)



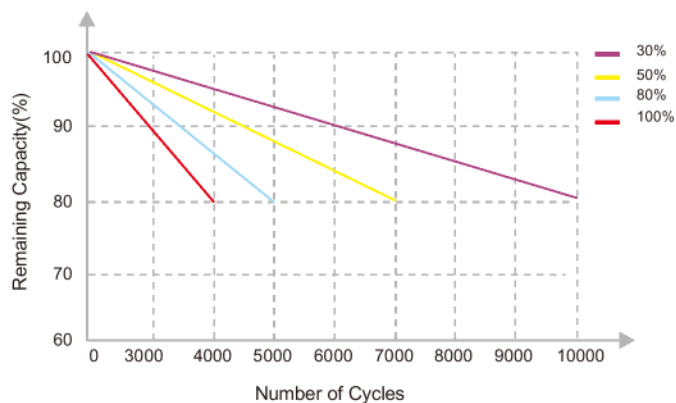
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

