

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
- Support series and parallel
- Maintenance-free

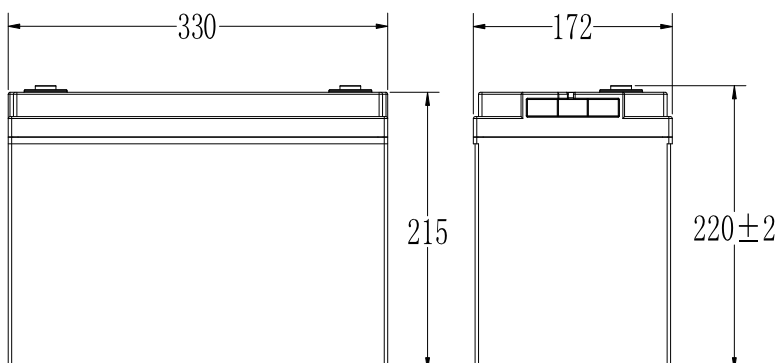
Product renderings:



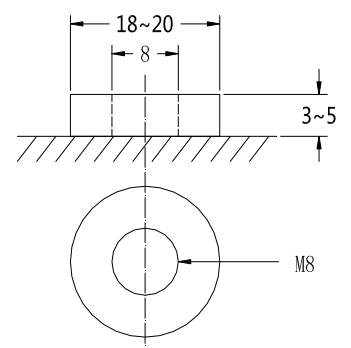
Battery specifications:

Operating Voltage range(V)	10.0~14.6
Nominal Voltage(V)	12.8
Nominal Capacity(Ah)	100
Energy(Wh)	1280
Charge Cut-off Voltage(V)	14.6±0.2
Standard Charging Current 0.2C(A)	20
Rated Charging Current 0.5C(A)	50
Max. Charge Current 1C(A)	100
Rec.low Voltage Disconnect(V)	10
Standard Discharge Current 0.2C(A)	20
Rated Discharge Current 0.5C(A)	50
Max. Discharge Current 1C(A)	100
Internal Resistance(mΩ)	≤15
Charge Temperature(°C)	0~55
Discharge Temperature(°C)	-20~60
Storage Temperature(°C)	-20~45
Cycle Life(cycles @1C 100%DOD)	>4000
Months Self Discharge	< 3%
IP Class	Ip67
Weight (kg)	Approx. 10.0
Dimensions(mm)	330*172*215
BMS	100A 4S/4P

Dimension (mm):

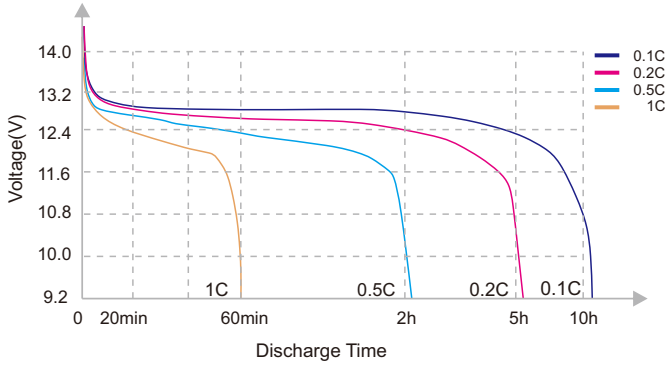


Terminal (mm):

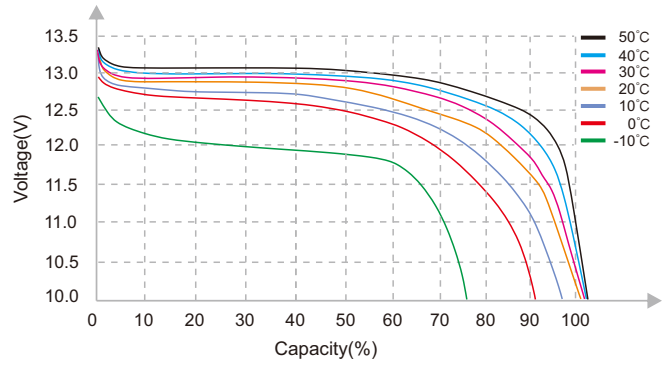


Battery curve:

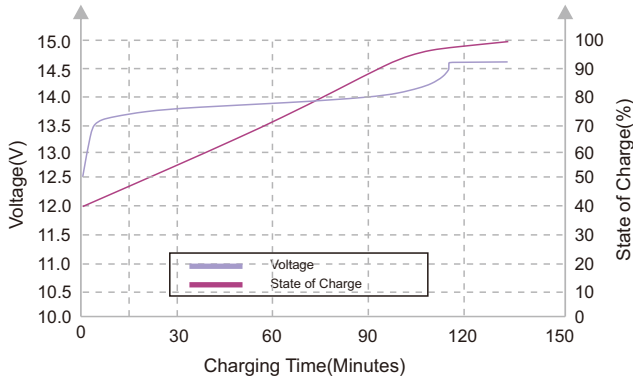
Different Rate Discharge Curve(25°C)



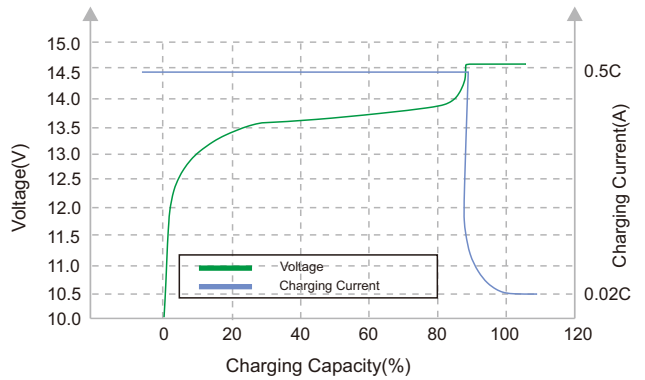
Different Temperature Discharge Curve(0.5C)



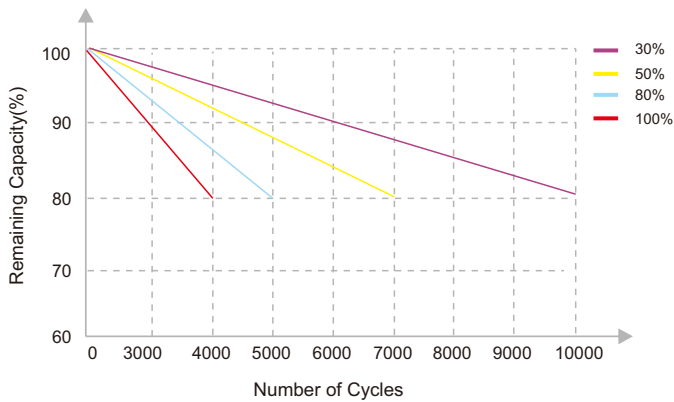
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve

