



### Typical Applications

- Solar/Wind Energy Storage
- Back-up Power for UPS/ EPS
- Telecommunication
- Low Speed Electric Vehicles
- Marine Boats
- DC Power Supply
- Auto Control System
- Recreational Vehicles
- Electric Toys

### Electrical Characteristics

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Minimum Capacity	100Ah
Energy	1280Wh
Cycle Life	>2000 cycles @0.5C 100%DOD
Months Self Discharge	<3%
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @0.5C
BMS Functions	Over charge, over discharge, over current, short circuit and temperature protection
Maximum Modules in Series	4 pcs

### Standard Charge and Discharge

Charge Voltage	14.2-14.6V
Charge Mode	0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
Charge Current	20A (Can be customized)
Max. Charge Current	100A
Max Continuous Discharge Current	100A (Can be customized)
Peak Discharge Current	300A 1-3S
Discharge Cut-off Voltage	10V±0.5V

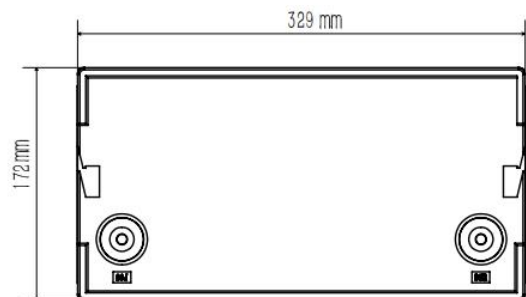
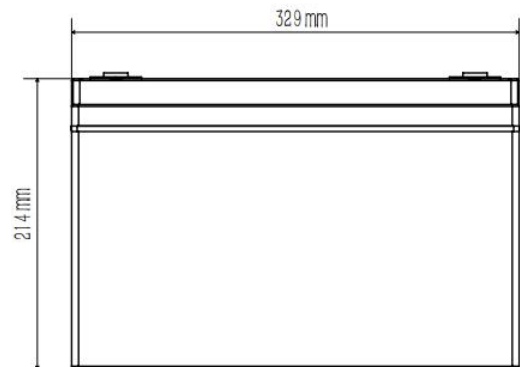
### Mechanical

Plastic Case	ABS
Approx. Dimensions	L329xW172xH214mm
Approx. Weight	10.5kgs
Terminal Type	M8

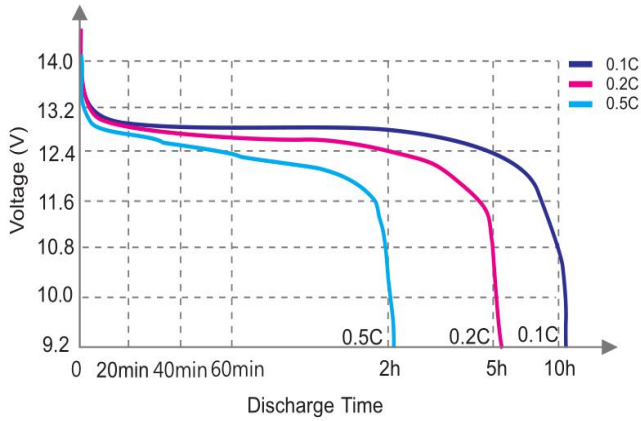
### Environmental

Charge Temperature	0 °C to 55 °C (32F to 131F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
IP Class	IP65

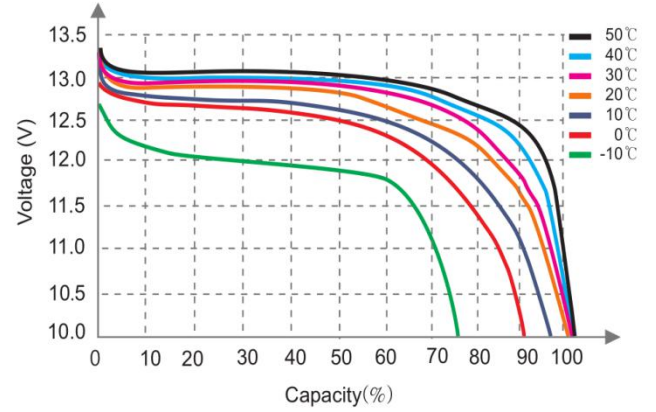
### Dimensional Specifications



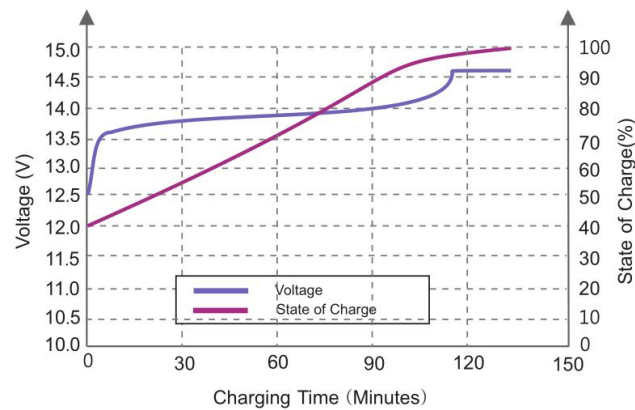
### Different Rate Discharge Curve (25°C)



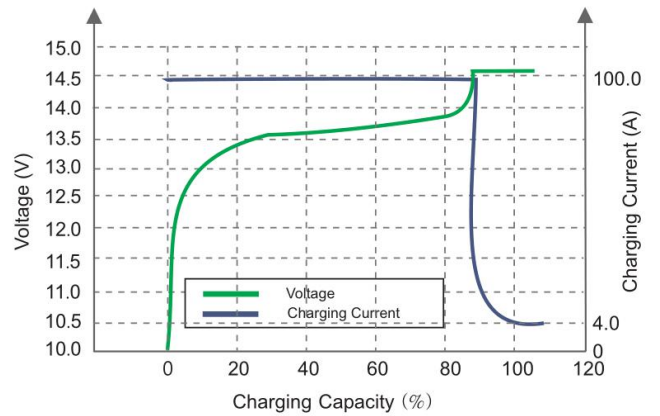
### Different Temperature Discharge Curve (0.5C)



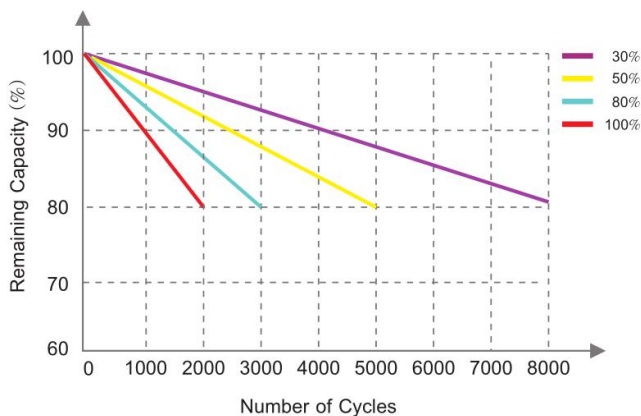
### State of Charge Curve (0.5C, 25°C)



### Charging Characteristics (0.5C, 25°C)



### Different DOD Discharge Cycle Life Curve (0.5C)



### Different Temperature Self Discharge Curve

