



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
- Power Tools
- Electric Toys

Electrical Characteristics

Nominal Voltage	12.8V	
Nominal Capacity	200Ah	300Ah
Minimum Capacity	200Ah	300Ah
Energy	2560Wh	3840Wh
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	40A (Can be customized)
Max. Charge Current	200A
Charge Voltage	14.2-14.6V
Max Continuous Discharge Current	200A (Can be customized)
Peak Discharge Current	600A 1-3S
Discharge Cut-off Voltage	10V±0.5V

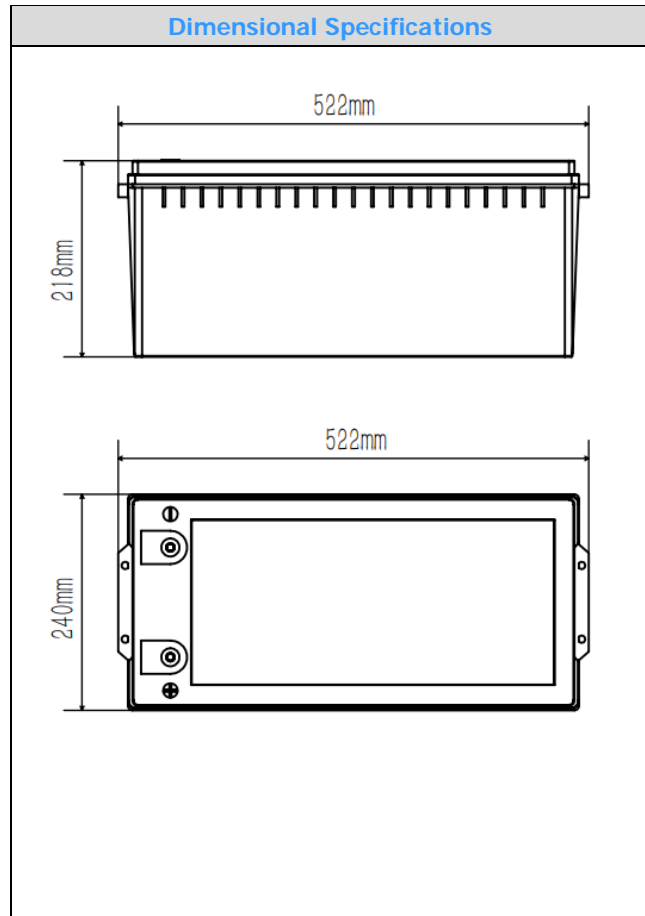
Mechanical

Plastic Case	ABS	
Approx. Dimensions	L522xW240xH218mm	
Approx. Weight	22kgs	30 kgs
Terminal Type	M8	

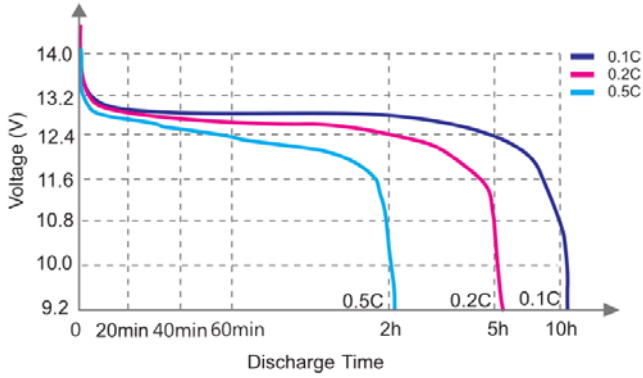
Environmental

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	-20 °C to 45 °C (-4F to 113F) @60±25% Relative Humidity
IP Class	IP65

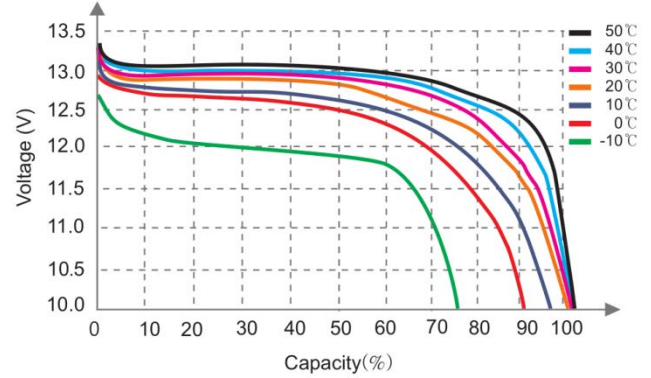
Dimensional Specifications



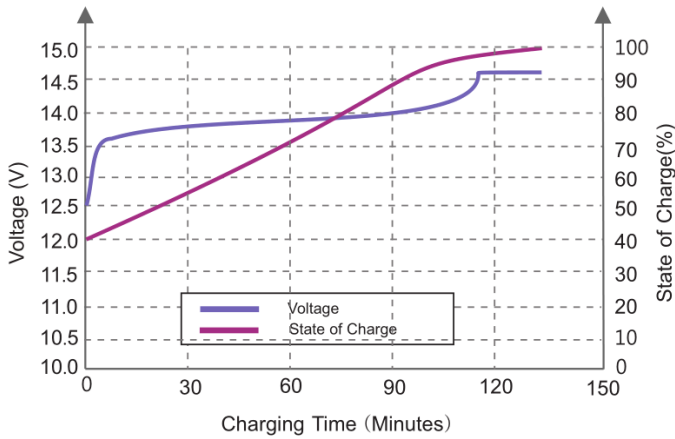
Different Rate Discharge Curve (25°C)



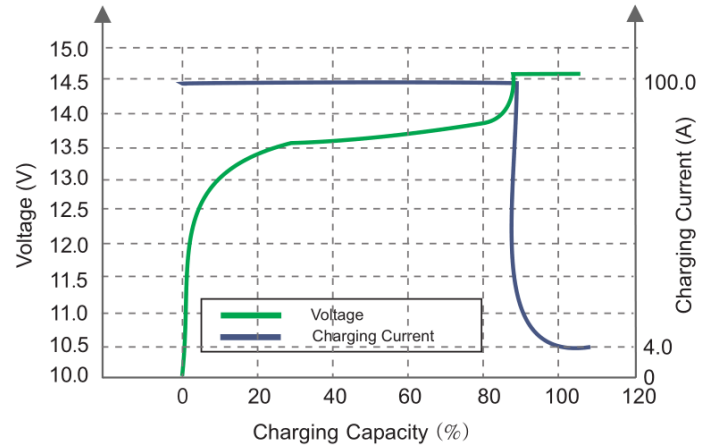
Different Temperature Discharge Curve (0.5C)



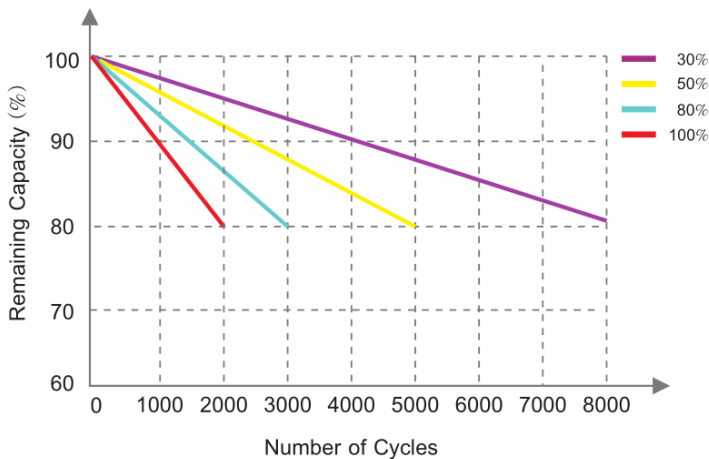
State of Charge Curve (0.5C, 25°C)



Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve (0.5C)



Different Temperature Self Discharge Curve

