



Product introduction

Lithium lead-acid series batteries are designed to replace lead-acid batteries, providing outstanding sustained performance and total energy output.

Product features

- High life characteristics of cyclic use.
- BMS independent research and development.
- Supports 4 in series.
- Low temperature self-heating.
- High rate and high current discharge.
- Waterproof grade IP65.
- High safety and reliability.

Application area

- Strong carrying capacity, strong adaptability, can be used for the plateau, plain, mountainous areas with few shortcomings of power supply.
- Application scenarios cover power Tools, Home Appliances, BOATS, Electric Bicycles/Scooters, Electric Forklifts, electric vehicles, Electric Wheelchairs, Electric Power Systems, Solar Energy Storage Systems

BMS Protection



Over Current



Over Voltage



Short Circuit

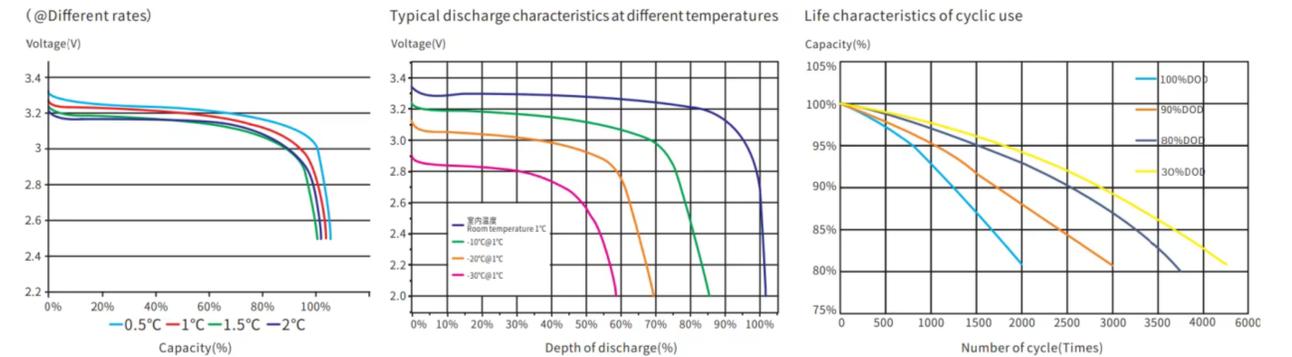


Low Voltage



High Temperature

Performance curve



*The curves maybe different according to specific customer requirement

Products Specification

Model		12.8V100Ah LiFePO4
Capacity	100Ah (0.2C/25°C) (Min:96Ah)	
Nominal voltage	12.8V	
Operating voltage range	10V~14.6V (Typical:12.8V)	
Charging voltage	14.6V	
Discharge cut-off voltage	10V	
Charging current (Max.)	50A	
Discharge current (Max.)	100A	
Series	Maximum support for 4 sets in series	
Parallel	Support	
Terminal stud	M8	
Alarm & protection	Over Voltage, Under Voltage, Over Current, Short Circuit etc.	
Cooling mode	Automatic cold and hot	
Altitude	≤4000m	
Humidity	15%~85%	
Operating temperature	Charge	0°C~50°C
	Discharge	-10°C~60°C
Recommended operating temperature	Charge	15°C~40°C
	Discharge	15°C~40°C
	Storage	-20°C~45°C
Shell	Plastics/Black	
Dimensions(L*W*H) (mm)	325*170*215	
Weight	About 11.5kg	

Product dimensions

