

12.8V100Ah LiFePO4 Battery for Energy Storage



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

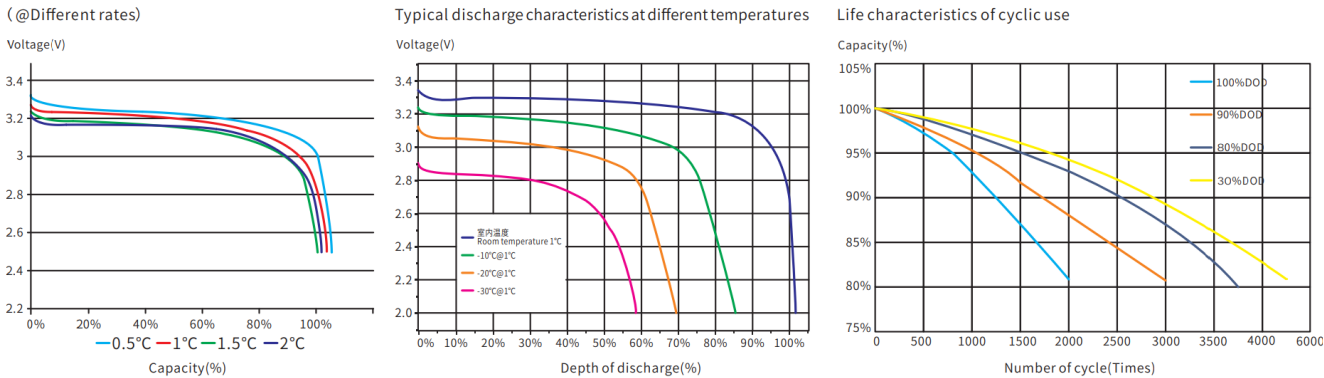


Low Voltage



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

