

**Longer Lifetime & Deep Cycle:** Lithium iron phosphate battery compared with the 200-500 cycles of lead-acid, The service life ratio is long, the weight is light and the number of cycles is up to 6000 times, our lifepo4 battery for home energy storage photovoltaic system used A+ cells, the battery delivers 1280Wh and can endure up to 6000 cycles.(6000 cycles @80% DOD).

**Built-in BMS Protection:** Our 100Ah lifepo4 battery is built in Reliable BMS Protection. This intelligent design ensures optimal safety and better heat dissipation function to protect battery cells which can prevent the LifePO4 battery from the most common issues causing of battery failures, such as overcharge, over-discharge, over-current, short circuit and high temperature. It also has obtained SDS/UN38.3/CE certifications, ensuring its quality and safety.

**Connect for Larger Capacity:** 12V LiFePO4 battery 100Ah could connect in parallel & in series for larger capacity. Allow being extended up to 4S or 16P.

**Widely Use:** Powerful energy expansion system could be widely used for home storage system (avoiding the effects of power outages), off-grid system, RV, Trolling Motor, Boat, Marine, trailer, and outdoor activities.



# Built-in BMS Protection



Overcharge  
protection



Overdischarge  
protection



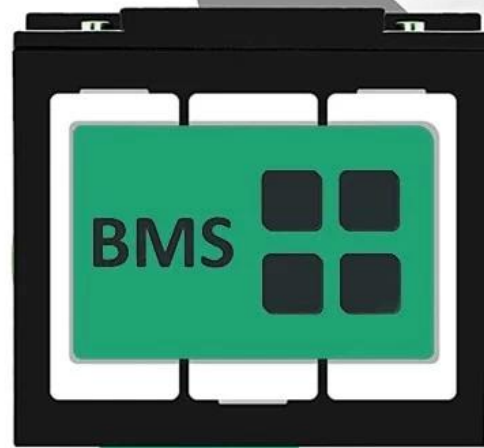
Overcurrent  
protection



Short circuit  
protection



Cell voltage  
self balance



# BMS PROTECTION

# BUILT-SMART BMS



Overcharge  
Protection



Over discharge  
Protection



Short Circuit  
Protection



High/Low  
Temp Protection

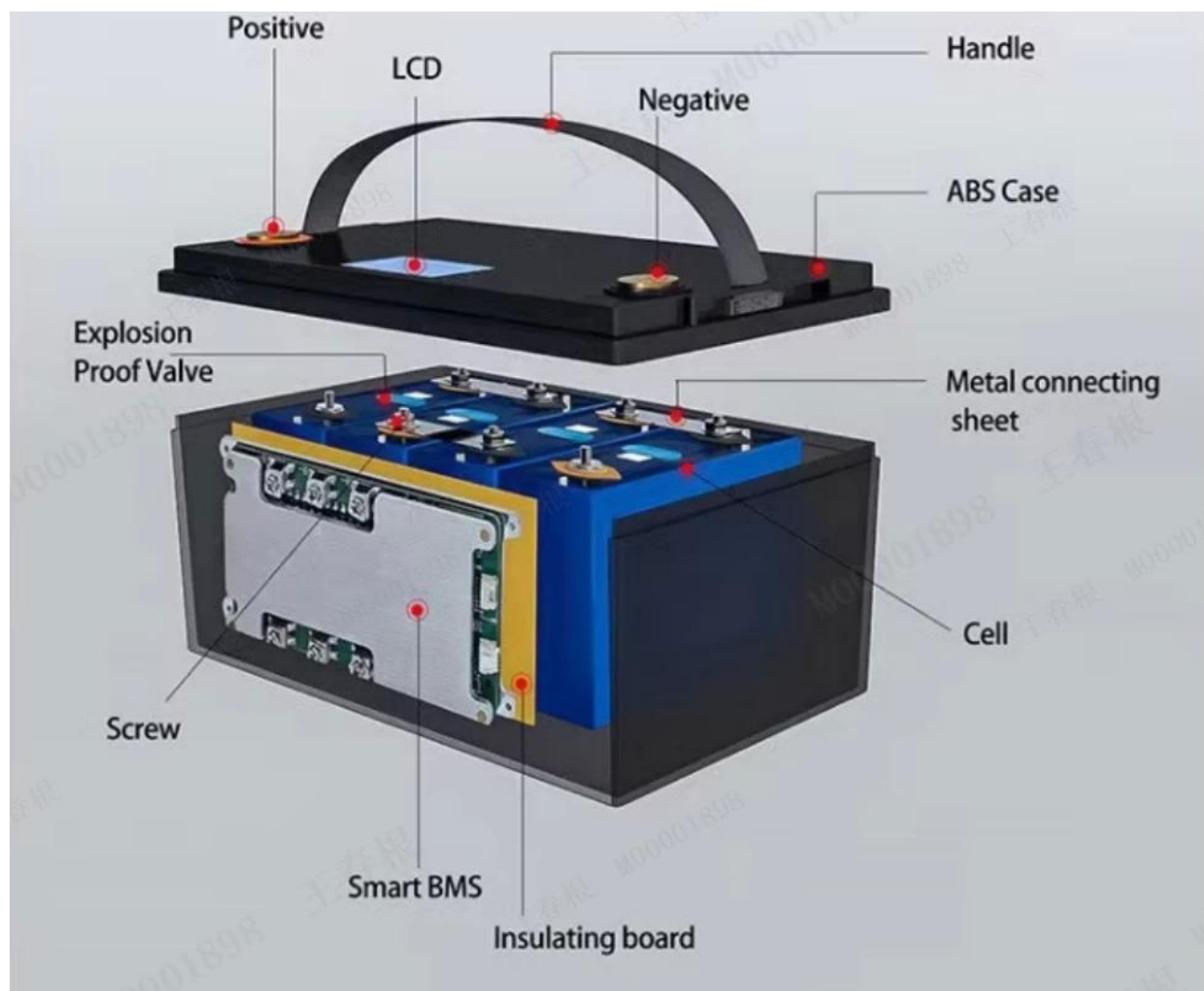


Overcurrent  
Protection



Equalizing  
Voltage

**BMS**





# PACKAGING & SHIPPING





Home energy storage



Home energy storage



Agricultural energy storage



PV/Solar panels



Outdoor/RV electricity



Yacht/Boat electricity



Industrial energy storage



Communication base station



Utility grid/Ups systems/

**We provide one-stop purchasing service**

We (Qishou) provide one-line one-to-one guidance



### Product Technical Specification Parameters

	Items	Parameters	Noted
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<b>Performance</b>	Battery Voltage	12.8V	4S
	Battery Capacity	100Ah	0.5C
	Charging Cut-Off Voltage	14.6V	Single Cell 3.65V
	Discharging Cut-Off Voltage	10V	Single Cell 2.5V-Adjustable
	Charging Current	100A	Maximum Current-200A
	Discharging Current	100A	Continuous Working Current
	Internal Resistance	≤25mΩ	
<b>Protections</b>	Over -Charging Voltage Protection	14.6V	Settable
	Over-Discharging Voltage Protection	10V	Settable
	Charging Over-Current Protection	100A	Settable
	Short Circuit Protection	YES	Remove load or charging can be lifted
	BMS Temperature Protection	-25℃~70℃	Electricity and ambient temperature protection
<b>Use Environment</b>	Working Temperature	-10℃~60℃	
	Storage And Shipping Temperature	-20℃~55℃	
	Relative Humidity	95%	
	Atmospheric Pressure	70kPa-106kPa	
<b>Dimensions</b>	Weight	10Kg	Net weight
	Weight	11±0.3% Kg	Gross Weight
	Size	522x238x222±3mm	Product Size
	Size	595x312x297±3mm	Out packing size