

12.8V 100Ah & 200Ah LiFePO4 Home Energy Storage Battery

12.8V 100AH



12.8V 200AH



Super Points: ONE Battery For Multiple Brand Inverters

Long cycle life

Using high-quality Lithium Iron Phosphate batteries, the cycle life is more than 6000 times @ 80% DOD, and can be used for 10-15 years



High quality Grade A+ Prismatic LiFePO4 battery

Higher capacity, higher current, longer life

Low internal resistance and high current

Low internal resistance of the battery, excellent continuous high current discharge performance

Product advantages



Intelligent BMS battery protection

Built-in intelligent BMS (battery management system), effectively avoiding overcharge, overdischarge, overcurrent, short-circuit, balance and other problems



Intelligent control & monitor with Bluetooth



Good safety performance

Extreme safety test, no fire, no explosion, no leakage

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Key Features

- ★ A GRADE high quality prismatic cells.
- ★ High quality smart BMS.
- ★ Maintenance free & Low self discharge & Fast and efficient charging.
- ★ Bluetooth and LCD Display for intelligent control and monitor.

Protection

- ★ Over charge detection function
- ★ Over discharge detection function
- ★ Over current detection function
- ★ Temperature protection function
- ★ Short circuit detection function
- ★ Balance function
- ★ Upper computer software monitor

Parameters

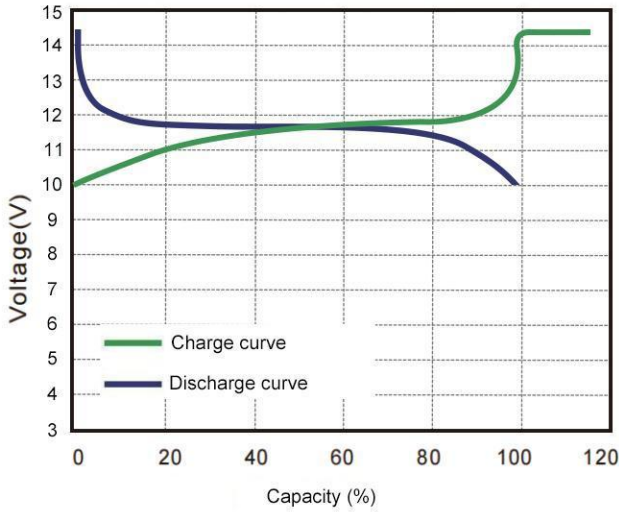
Product model	LFPI-12.8V100AH	LFPI-12.8V200AH
Product specification	12.8V 100Ah	12.8V 200Ah
Nominal voltage	12.8V	12.8V
Nominal capacity	100Ah	200Ah
Cell type	A+ Grade LiFePO4	A+ Grade LiFePO4
Standard charge voltage	14.6V	14.6V
Max charge current	100A	150A
Discharge cut-off voltage	10V	10V
Max discharge current	100A	150A
Parallels function	Support 4 units in series/ 4 units in parallel	
Cycle life	6000 Cycles@1C 90%DOD	
Charge temperature range	-0~60°C	
Discharge temperature range	-20~60°C	
Color	Black	
Dimensions	329*172*214 MM	522*240*218 MM
Weight	15kg	20kg
Installation method	Floor	
Energy	1280WH	2560WH
Months Self Discharge	< 3%	
Efficiency of charge	100%@0.2C	
Efficiency of Discharge	96-99%@1C	
Cells	Prismatic	
Case	ABS	
Terminal	M6	
Certificates	ISO,UL,CEI-021,IEC,CE,CB,UN38.3,MSDS	
Monitoring & Control	Bluetooth & LCD Display	

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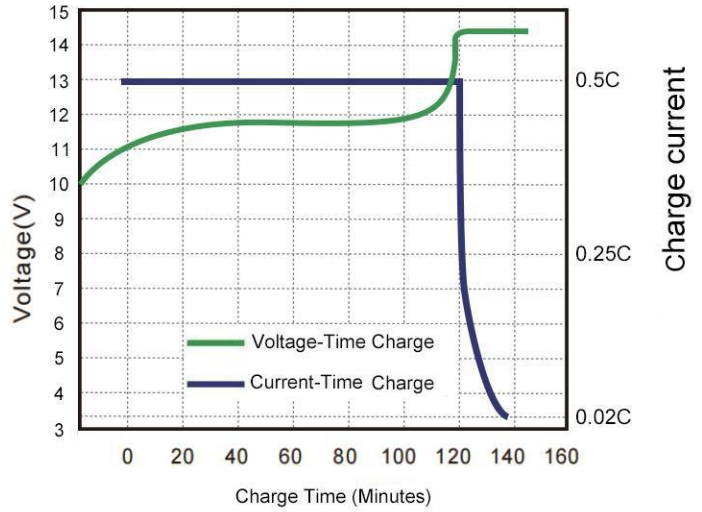
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Charging and Discharge curve

- Charge and discharge curve @0.5C 25°C

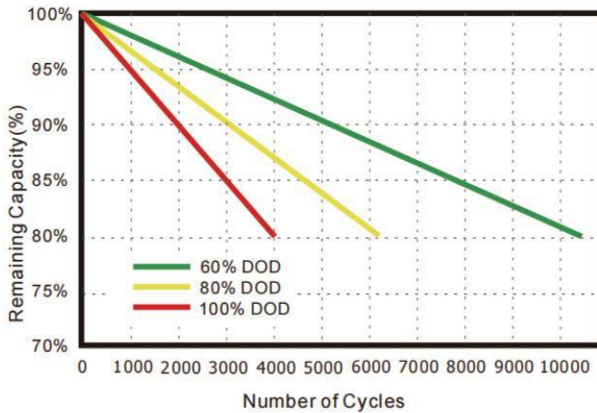


- Charge curve @0.5C 25°C

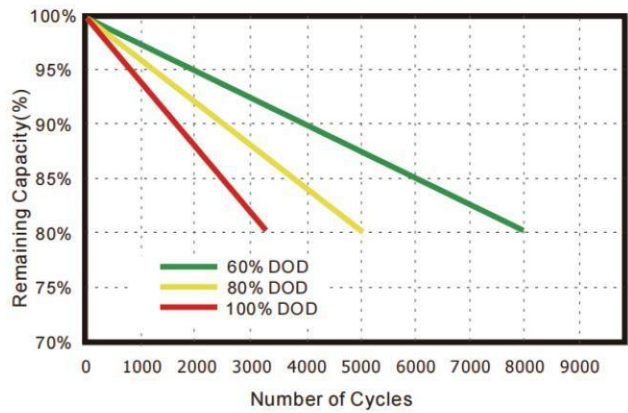


Cycle Life Curve

- Different discharge depth life curves & 25°C 0.5C



- Different discharge depth life curves & 40°C 0.5C



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