

48V 100Ah & 200Ah LiFePO4 Home Energy Storage Battery

48V 100Ah

48V 200Ah



Our Coolii battery compatible with more than 20 brands inverter worldwide

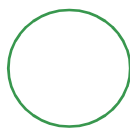


Super Points: ONE Battery For Multiple Brand Inverters

Product advantages

Long cycle life

Using high-quality lithium iron phosphate batteries, the cycle life is more than 6000 times at 80%DOD, and can be used for 10-15 years



High quality prismatic lithium iron phosphate 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

Intelligent BMS battery protection

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

Communicated with multiple brands inverter same time

battery BMS supports simultaneous communication and docking with multiple brands inverter

Good safety performance

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



48V 100Ah & 200Ah LiFePO4 Home Energy Storage Battery

Key Features

- ★ Automotive Grade Cells- 15 cell configuration
- ★ Integrated CAN bus RS 485 RS 232 BMS.
- ★ LED display shows battery Power.
- ★ Pre- configured with optimal parameters.
- ★ No other Li Fe PO 4 battery offers this functionality, longevity and warranty at our price.
- ★ Warranted for daily cycling.
- ★ Communicated with inverter brand: HUAWEI, SMA, Studer, Solar-Edge, Schneider, DEYE, Solis, Sungrow, Growatt, Sofar, Must, Goodwe, Sol-Ark, Sunsynk and etc.

Application

- ★ 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
- ★ LCD Screen optional

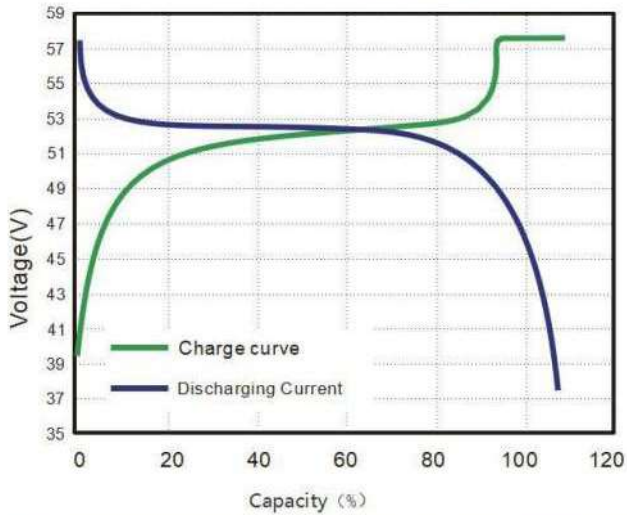
Parameters

Product model	48V100Ah	48V 200Ah
Nominal voltage	48V	48V
	100Ah	200Ah
Cell type	(LF	(LF
	54.8V	54.8V
	40A	40A
	37.5V	37.5V
	100A	100A
Parallels Function	Support 15 units in parallels	Support 15 units in parallels
Cycle life	6000 Cycles (80%DOD)	6000 Cycles (80%DOD)
	-20~65°C	-20~65°C
Colour	(Black)	(Black)
Dimensions	560*430*190MM	474*513*235MM
Weight	42Kg	80Kg
	Floor	Floor

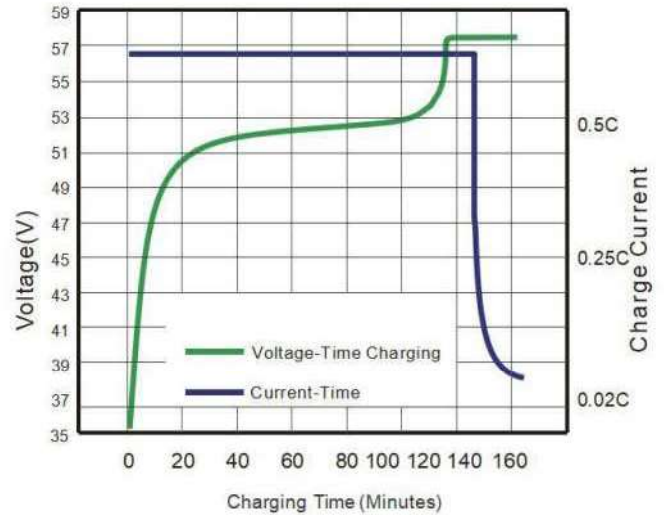
48V 100Ah & 200Ah LiFePO4 Home Energy Storage Battery

Charging and Discharge curve

- Charge and discharge curve @0.5C 25°C

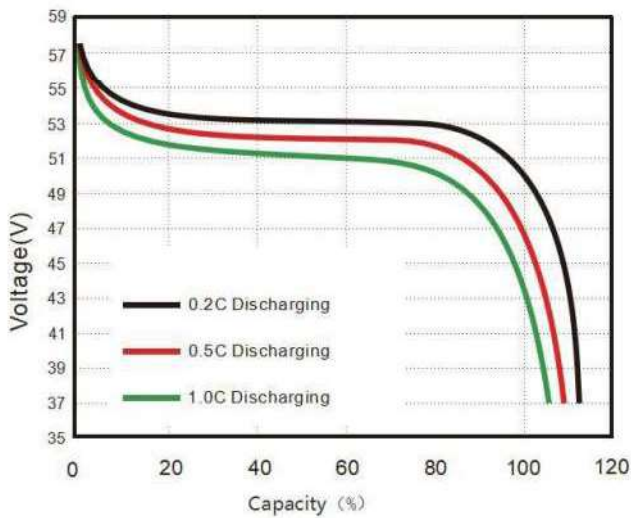


- Charging Characteristics @0.5C 25°C

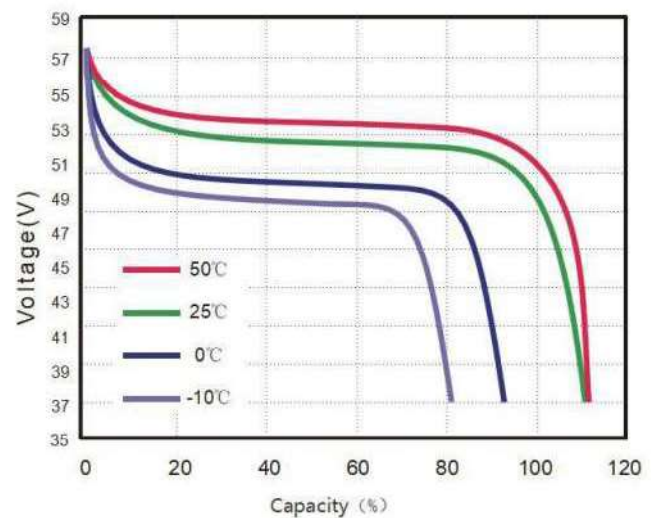


Different current/Temperature Discharge curves

- Different Rate Discharge Curve @25°C

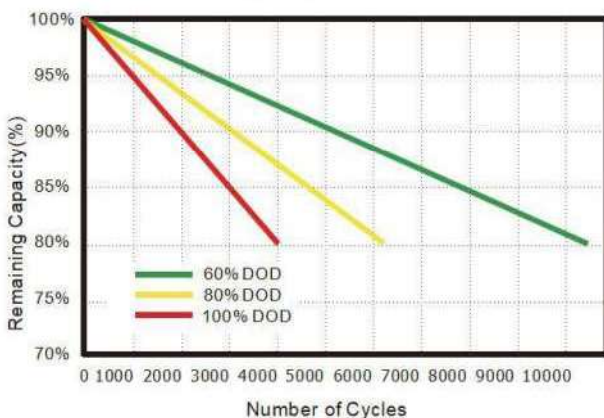


- Different Temperature Discharge Curve @0.5C

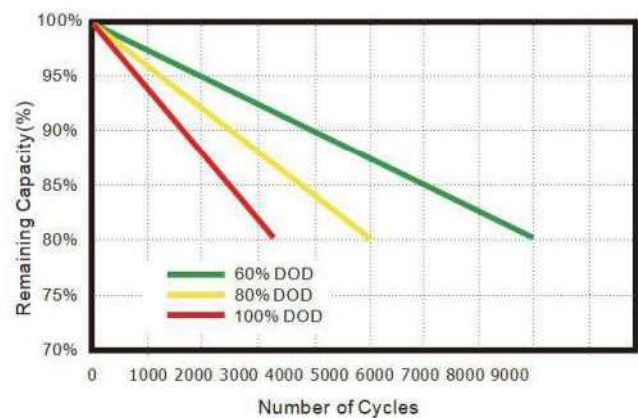


Cycle Life Curve

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



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



48V 100Ah & 200Ah LiFePO4 Home Energy Storage Battery

