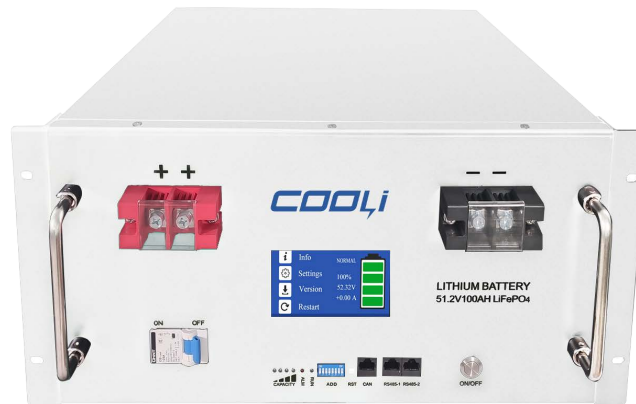


51.2V 100AH

Touch Screen Rack Mounted LiFePo4 Battery

51.2V 100AH



Our Cooli battery compatible with more than 30 brands inverter worldwide



Super Points: ONE Battery For Multiple Brand Inverters

Product advantages

With touch screen selection protocol, has multi-language selection (English, Spanish, German, Burmese, Vietnamese, Thai, Italian; etc)

Long cycle life

Using high-quality Lithium Iron Phosphate batteries, the cycle life is more than 6000 times. 0.5% DOD, and can be used for 10-15 years

Intelligent BMS battery protection

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



High quality Grade A+ Prismatic LiFePO4 battery
Higher capacity, higher current, longer life



Intelligent control & monitor with Bluetooth

Battery BMS supports simultaneous communication and docking with multiple brands inverter

Low internal resistance and high current

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

Good safety performance

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

51.2V 100AH

Touch Screen Rack Mounted LifePo4 Battery

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

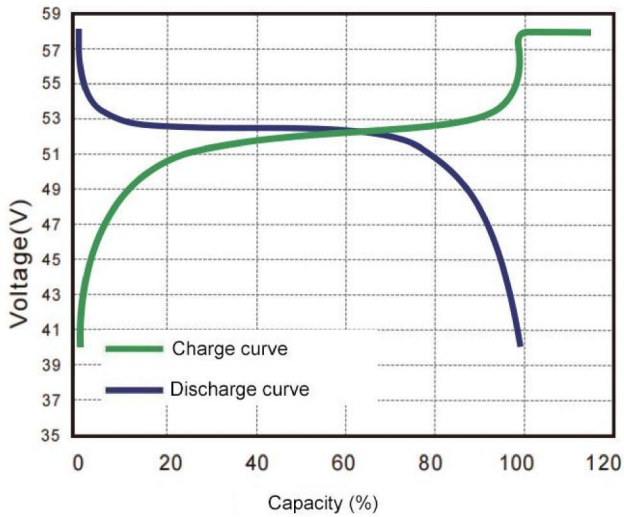
Product model	LFPI-51.2V100AH
Product specification	51.2V 100Ah
Nominal voltage	51.2V
Nominal capacity	100Ah
Cell type	A+ Grade LiFePO4
Standard charge voltage	57.6V
Standard charge current	≤50A
Max charge current	100A
Discharge cut-off voltage	44.8V
Max discharge current	100A
Cycle life	6000 Cycles@1C 90%DOD
Charge temperature range	-0~60°C
Discharge temperature range	-20~60°C
Color	White
Dimensions	430*460*220 MM
Weight	47kg
Installation method	Floor
Energy	5120WH
Months Self Discharge	< 3%
Efficiency of charge	100%@0.2C
Efficiency of Discharge	96-99%@1C
Cells	Prismatic
Case	Iron
Terminal	M8
Certificates	ISO,UL,CEI-021,IEC,CE,CB,UN38.3,MSDS
Monitoring & Control	RS485,CAN(Optional)

51.2V 100AH

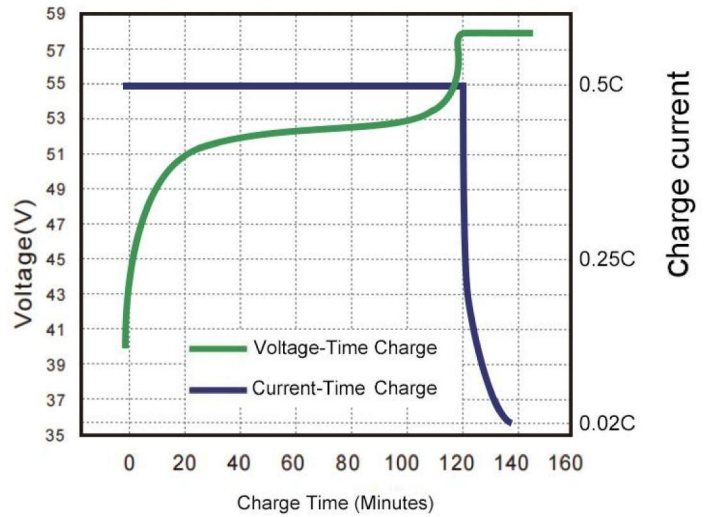
Touch Screen Rack Mounted LifePo4 Battery

Charging and Discharge curve

- Charge and discharge curve @0.5C 25°C

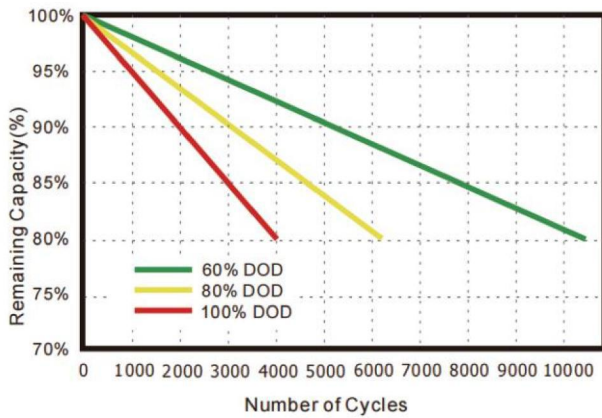


- Charge curve @0.5C 25°C

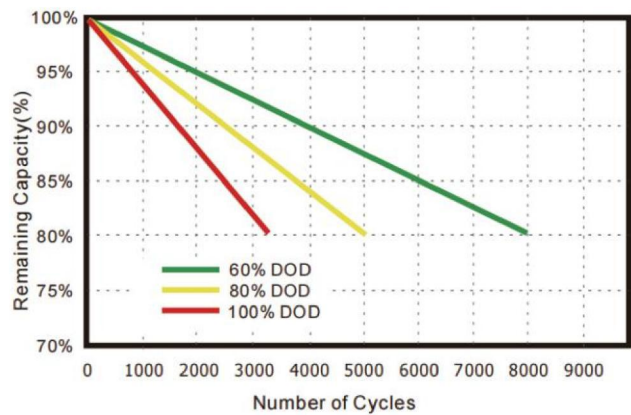


Cycle Life Curve

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



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



51.2V 100AH

Touch Screen Rack Mounted LifePo4 Battery

