

Lithium Iron Phosphate Battery

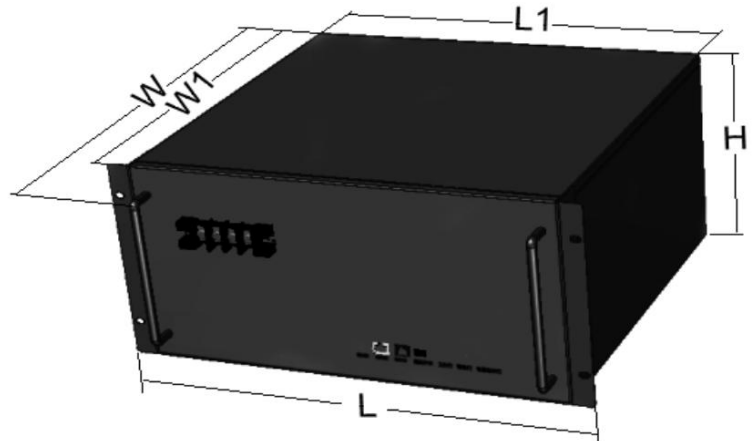
48V 50Ah

Feature:

- Ultra-long life, the service life can reach 10-15 years.
- The battery pack can be charged at any time, discharged at any time, and requires no maintenance.
- The battery has excellent safety performance, and there are no safety hazards such as fire and explosion.
- With battery management system, it has protections such as overcharge, over-discharge, over-current, over-temperature and short circuit
- Does not contain any pollutants, green and environmentally friendly batteries.

Applications:

- Home energy storage
- Industrial energy storage
- Communication base station
- Backup power



For reference only, the actual product shall prevail.

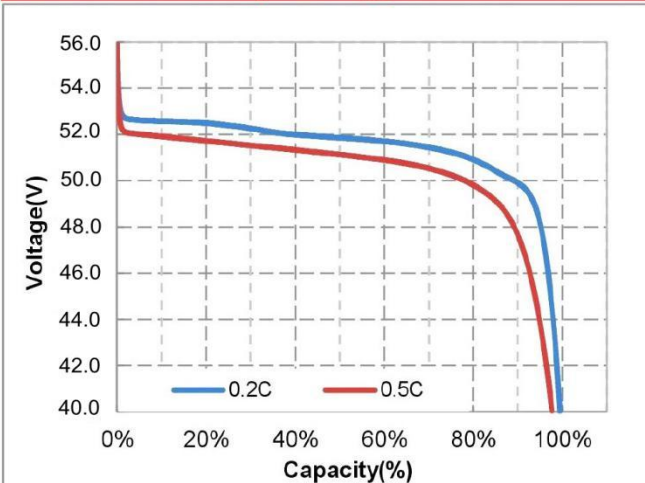
Parameter table:

Characteristics	Parameter	Condition
Rated voltage	48V (51.2V)	
Rated Capacity	50Ah	@0.2C ₅ A discharge
Maximum charging voltage	58.4V	CC/CV
Standard charging current	10A	
Maximum charging current	50A	Customizable
Standard discharge current	10A	
Maximum discharge current	100A	Customizable
Discharge cut-off voltage	40V	@0.2C ₅ A discharge
Charging temperature	0 ~ +45℃	
Discharge temperature	-10 ~ +60℃	
Storage temperature	-20 ~ +45℃	≤1 month
	-20 ~ +25℃	3-12 months
	25℃	>12 months
Cycle life	≥5,000	100%DOD
Waterproof level	IP65	
Communication protocol	RS485/RS232/CAN	Optional
Output method	M8	Customizable
Packing	Iron shell	
Weight	Approx:48.2kg	Subject to the actual
Size	483*429*220mm(L*W*H)	L1=434,W1=388

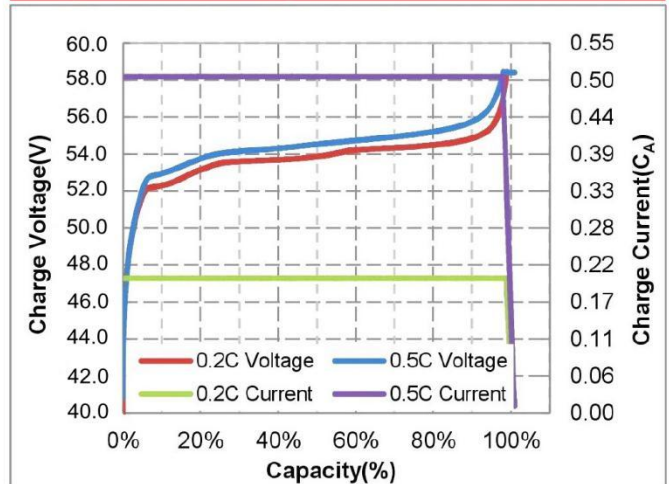
Lithium iron phosphate battery

Curve graph:

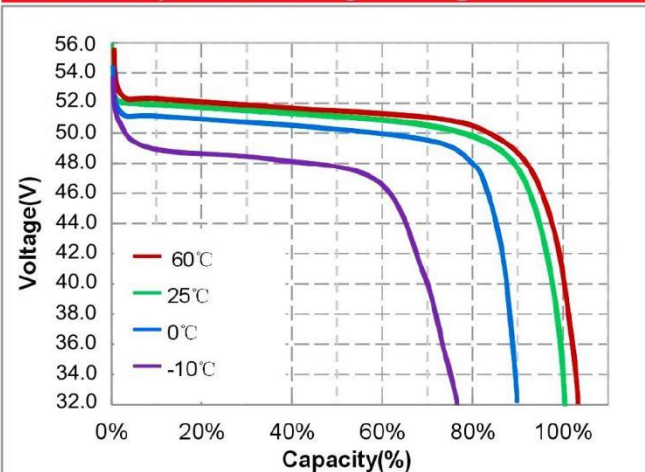
Different Rate Discharge Curve @ 25°C



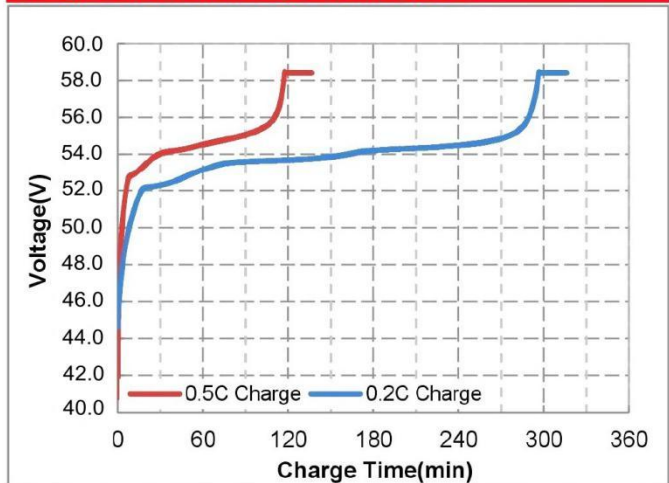
Charge Characteristics @0.2C&0.5C,25°C



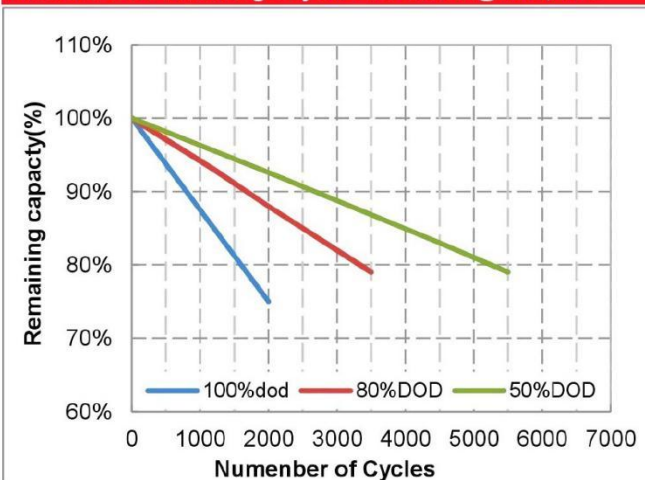
Different Temperature Discharge Curve @0.5C,25°C



Charge Characteristics @0.2C&0.5C, 25°C



Different DOD Discharge Cycle Life Curve @0.5C,25°C



Open Circuit Voltage VS. SOC%

