

## Lithium Iron Phosphate Battery

**12.8V 50Ah**

### Feature:

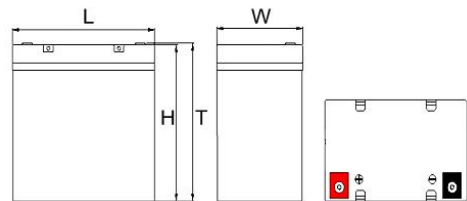
- Ultra-long life, the service life can reach 10-15 years.
- The battery pack can be charged at any time, discharged at any time, and requires no maintenance.
- The battery has excellent safety performance, and there are no safety hazards such as fire and explosion.
- With battery management system, 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.



For reference only, the actual product shall prevail.

### Applications:

- UPS
- Boat
- Lighting
- Wind/Solar energy
- Communication base station



Dimensional diagram

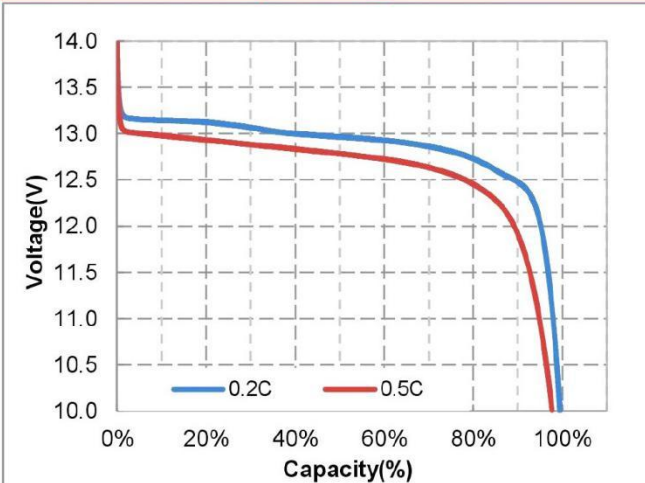
### Parameter table:

Characteristics	Parameter	Condition
Rated voltage	12.8V	
Rated Capacity	50Ah	@0.2C <sub>5</sub> A discharge
Maximum charging voltage	14.6V	CC/CV
Standard charging current	10A	
Maximum charging current	50A	
Standard discharge current	10A	
Maximum discharge current	50A	
Discharge cut-off voltage	10V	@0.2C <sub>5</sub> A discharge
Charging temperature	0 ~ +45℃	
Discharge temperature	-20 ~ +75℃	
Storage temperature	-20 ~ +45℃	≤1 month
	-20 ~ +25℃	3 ~ 12 months
	25℃	>12 months
Cycle life	≥5,000	
Waterproof level	IP65	
Communication protocol	/	
Output method	M6	
Packing	ABS plastic shell	
Weight	Approx:6.5kg	Subject to the actual
Size	230*138*208*232mm(L*W*H*T)	±3mm

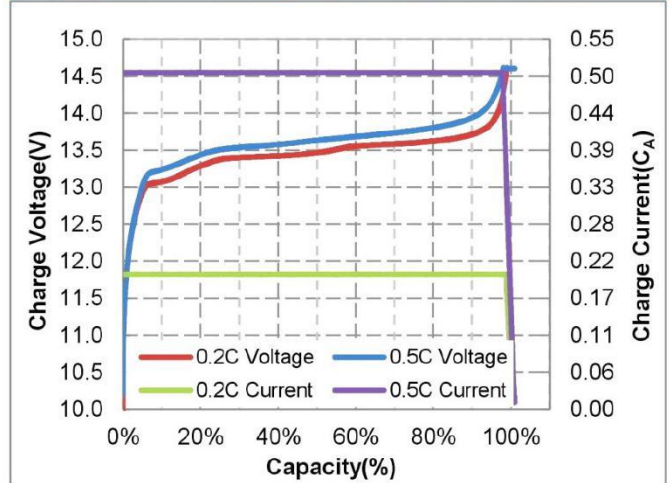
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### Curve graph:

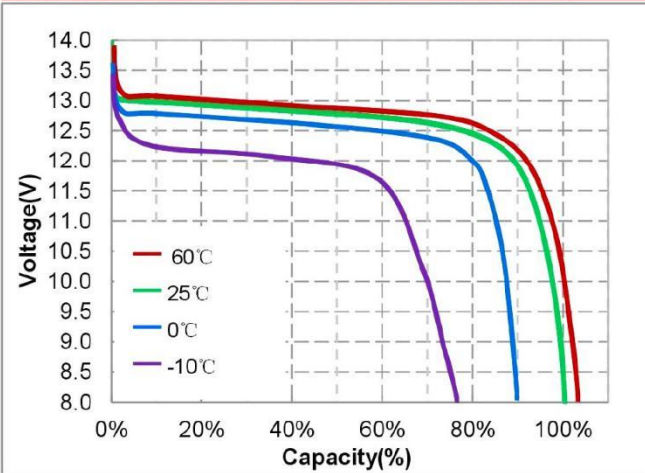
Different Rate Discharge Curve @ 25°C



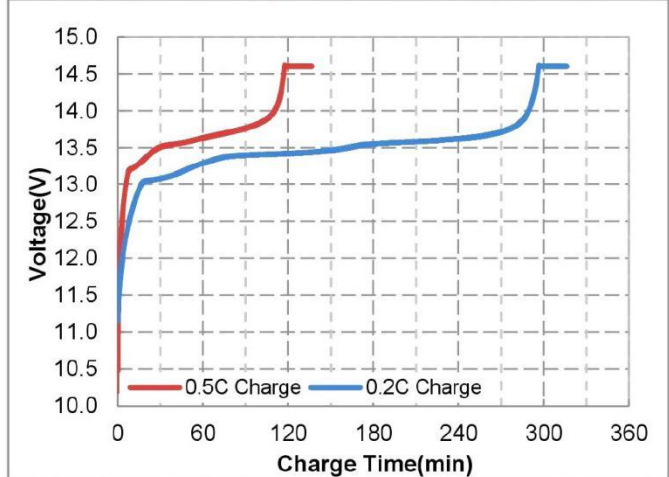
Charge Characteristics @0.2C&0.5C,25°C



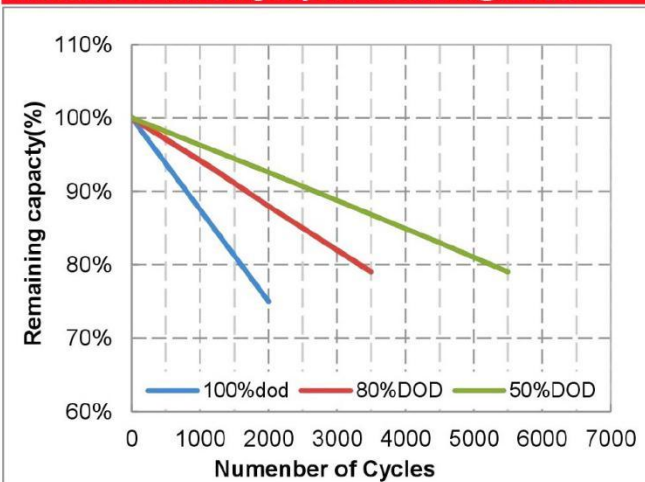
Different Temperature Discharge Curve @0.5C,25°C



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



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



Open Circuit Voltage VS. SOC%

