

## Lithium Iron Phosphate Battery

**12.8V 42Ah**

### Feature:

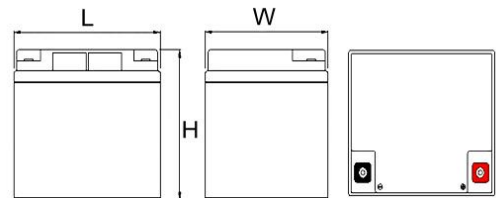
- Ultra-long life, the service life can reach 10-15 years.
- The battery pack can be charged at any time, discharged at any time, and requires no maintenance.
- The battery has excellent safety performance, and there are no safety hazards such as fire and explosion.
- With battery management system,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

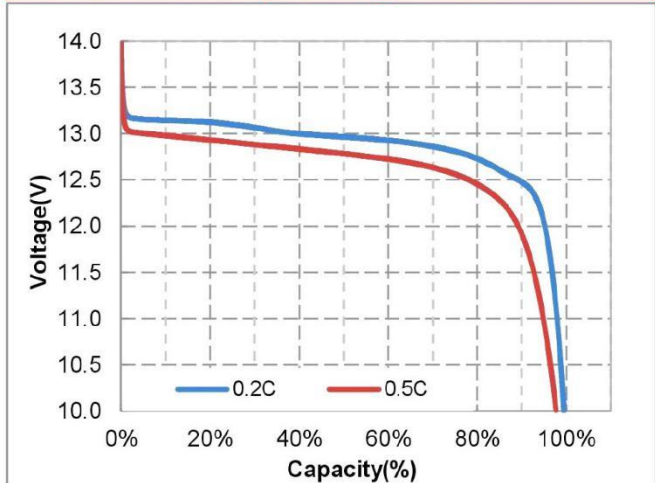
### Parameter table:

Characteristics	Parameter	Condition
Rated voltage	12.8V	
Rated Capacity	42Ah	@0.2C <sub>5</sub> A discharge
Maximum charging voltage	14.6V	CC/CV
Standard charging current	8.4A	
Maximum charging current	42A	
Standard discharge current	8.4A	
Maximum discharge current	42A	
Discharge cut-off voltage	10V	@0.2C <sub>5</sub> 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	
Waterproof level	IP65	
Communication protocol	/	
Output method	M6	
Packing	ABS plastic shell	
Weight	Approx:5.7kg	Subject to the actual
Size	196*166*171*171mm(L*W*H*T)	±3mm

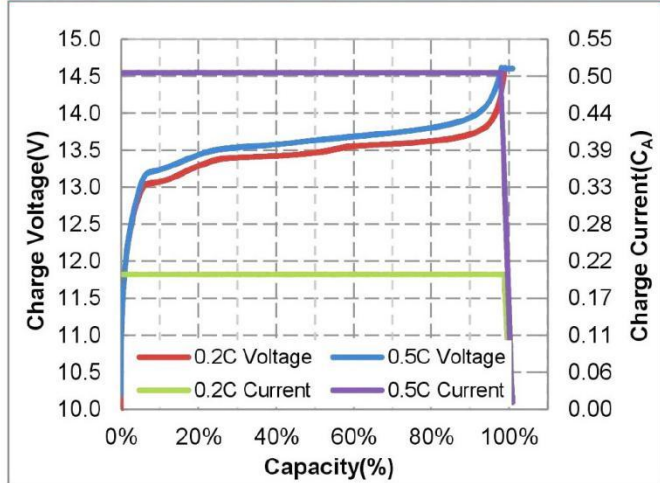
**Lithium iron phosphate battery**

**Curve graph:**

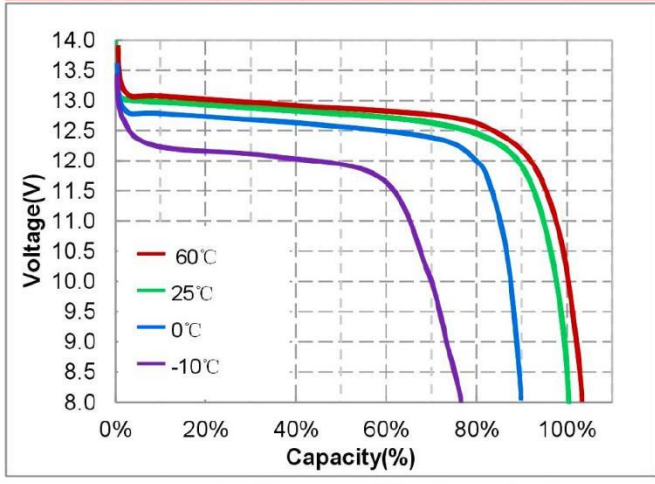
**Different Rate Discharge Curve @ 25°C**



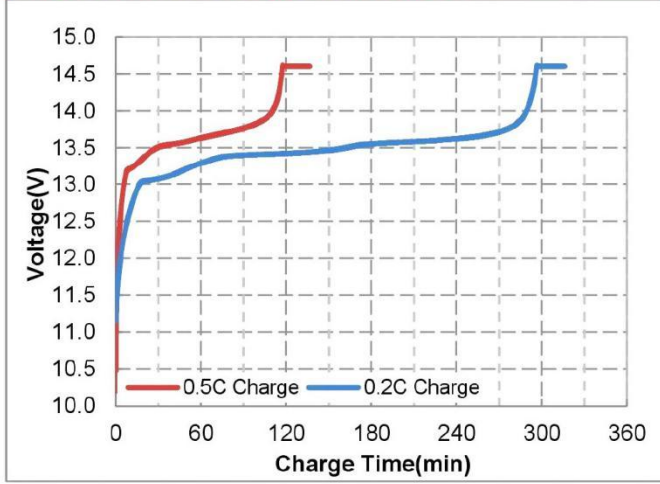
**Charge Characteristics @0.2C&0.5C,25°C**



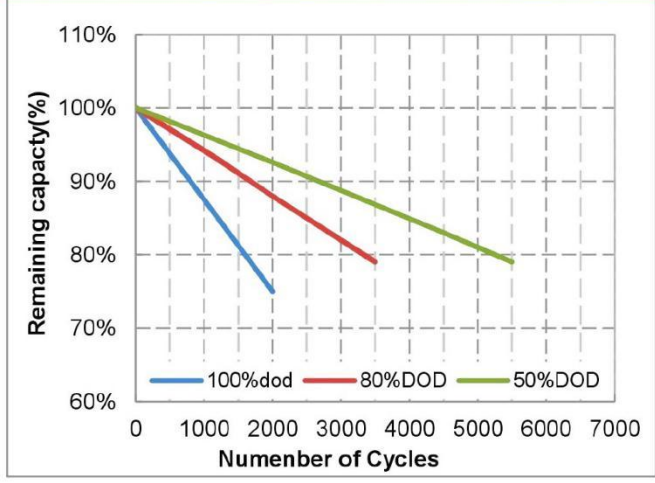
**Different Temperature Discharge Curve @0.5C,25°C**



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



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



**Open Circuit Voltage VS. SOC%**

