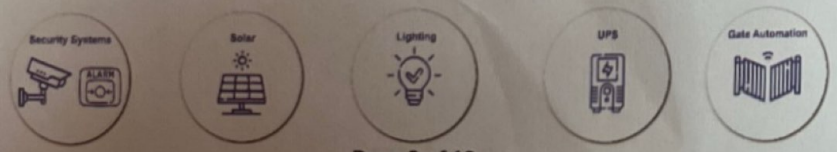
1.Features of LiFePO4 Battery

- Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of owner.
- Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- Wider Temperature Range: -20℃~60℃.
- Superior Safety: Automatic protection with internal battery management system. LiFePO4 (Lipo4) chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- Increased Flexibility: Modular design enables deployment of up to four batteries in series and up to four batteries in parallel.

2.Application

Electric vehicles, electric mobility; Solar/wind energy storage system; UPS, backup power; Telecommunication; Medical equipment; Lighting.



3.Battery Specification

MODEL	LFP-XTREME 12-08	LFP-XTREME 12-12	LFP-XTREME 12-18	LFP-XTREME 12-20	LFP-XTREME 12-50	LFP-XTREME 12-100	LFP-XTREME 12-200
Nominal voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
Nominal capacity	8Ah	12Ah	18Ah	20Ah	50Ah	100Ah	200Ah
Nominal energy	102.4 Wh	153.6 Wh	230.4 Wh	256 Wh	640 Wh	1280 Wh	2560 Wh
Standard charge voltage	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V
Discharge cut-off voltage	10.5V	10.5V	10.5V	10.5V	10.5V	10.5V	10.5V
Standard charge current	2A	3A	5A	5A	10A	20A	20A
Allowed Max. charge current	8A	12A	18A	20A	50A	100A	100A
Max.Discharge current	20A	20A	30A	30A	50A	100A	100A
Peak discharge current	40A	40A	50A	50A	150A	250A	250A
Terminal	T1 (4.8)	T2 (6.3)	F13 (M5)	F13 (M5)	F11 (M6)	F12 (M8)	F12 (M8)
temperature	Charge temperature:0℃~+45℃ / Discharge temperature -20℃~+60℃						
Cycle Life	>6000 cycles @25℃						
Storage environment	≤1 Month			-20~+60℃、5~75%RH			
	≤6 Months			-10~+45℃、5~75%RH			
	Recommend environment			15~+35℃、5~75%RH			