

### Mechanical specification

Number of cell		4*4cells
Dimension	Length	195 ± 2mm (7.68 inch)
	Width	130 ± 2mm (5.12 inch)
	Height	155 ± 2mm (6.10 inch)
	Total Height	166 ± 2mm (6.54 inch)
Approx. Weight		4.6 kg (10.6 lbs) ± 3%
Terminal type		M6/T9, Copper

### Electrical specification

Battery pack Specification				
Item		Parameters		
Model		FPLI-1240AH		
Material		LiFePO4		
Nominal Voltage		12.8V		
Nominal Capacity(C <sub>5</sub> )		40Ah		
Standard Discharge	Constant Current	40A		
	Max. current	100A(can be customized)		
	Cut-off Voltage	10V		
Standard Charge	Floating Charge Voltage	13.7V ± 0.1V		
	Rapid Charge	Charge Voltage	14.7V ± 0.1V	
		Charge Current	20A	40A
		ChargeTime	approx. 2.5hrs	1.5hrs
Charge Temperature		0°C ~ 55°C		
Discharge Temperature		-20°C ~ 60°C		
Storage Temperature		-20 ~ 70°C		
Communication interface		RS485		
Cycle life		2000 times		
Pack Initial Internal Impedance		≤ 5mΩ (50%SOC@AC 1kHz)		
Charging efficiency @20°C		99%	94%	
Delivery voltage		12~13V (30%~60%)		
PCM Specification		BMS4S		
Storage Humidity		<85%RH		
Battery Rack Housing		ABS		
Ip grade		IP20		
Cell data				
Nominal Voltage & Nominal Capacity		3.2V10AH		

### Features & Benefits

We can design any 12V LiFePO4 with the same SLA case size to replace normal SLA battery!

1. Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
2. Intra-module balancing
3. Environment-friendly
4. Can be charged using most standard lead-acid chargers
5. long cycle life, thousands of cycles, under normal conditions
6. Large capacity with low weight & small size
7. Fast charge/discharge with large current
8. High temperature resistant
9. No memory effect

### Certification & Standard

UL2054、UL 1642

2006/66/EC , Reach, RoHS

TUV/ EN 62133, EN60950

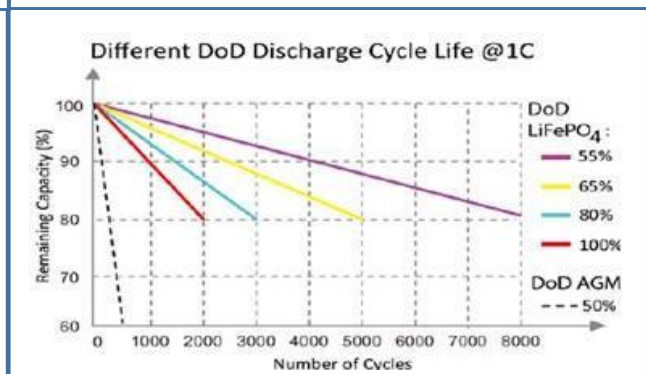
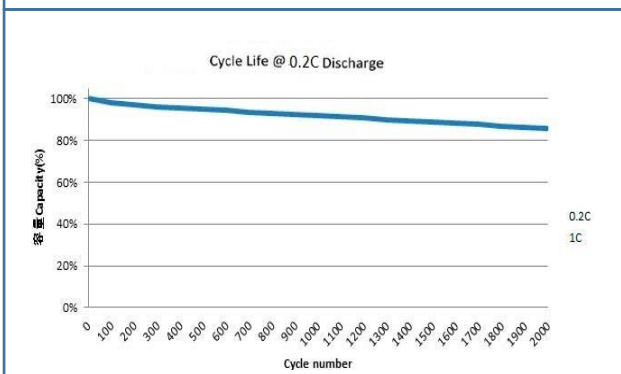
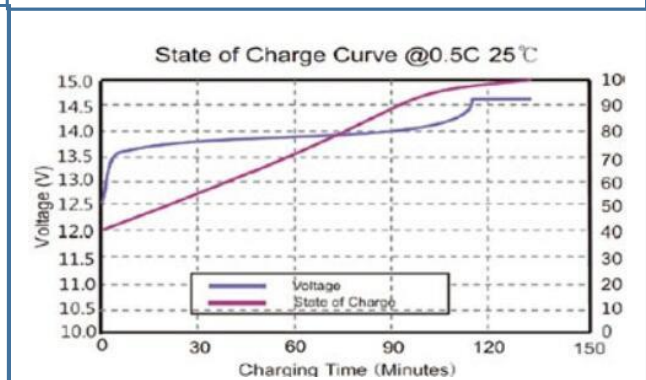
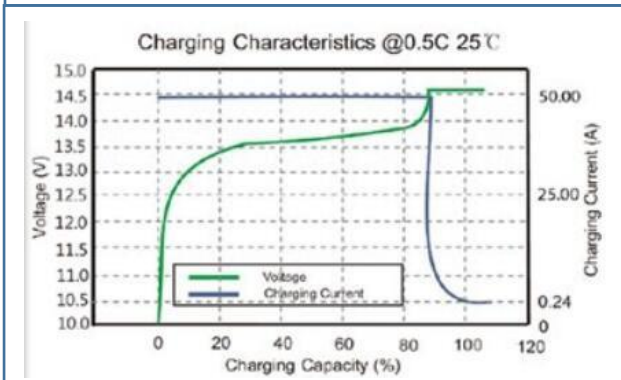
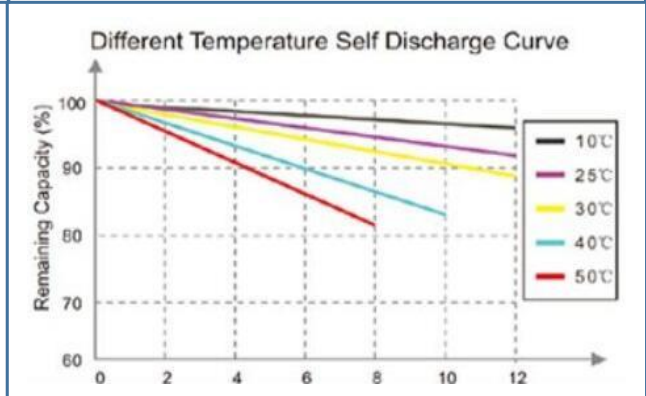
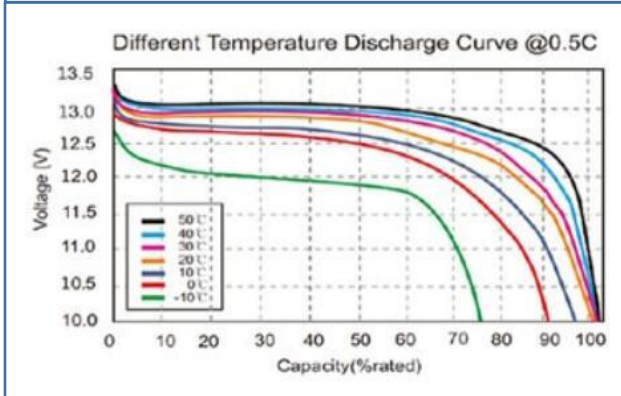
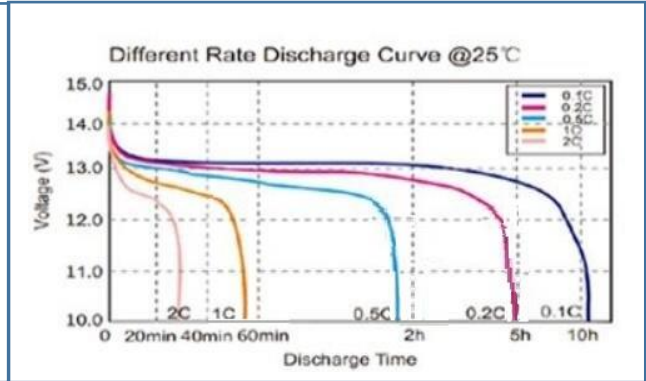
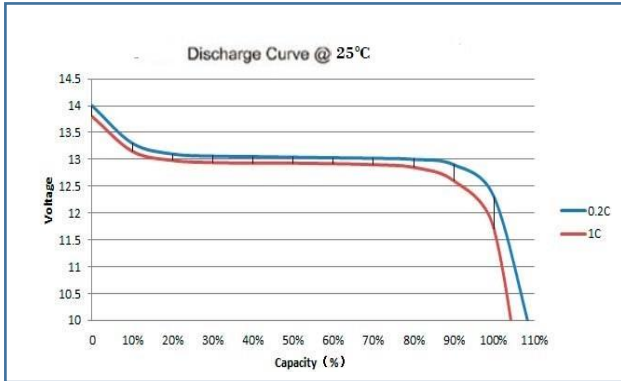
FCC 、PSE、BSMI、ETL、

KC Safety standard、

UN38.3/IATA 54TH

### Typical Application

1. Emergency power supply, LED light & flashlight: headlamp, emergency light, solar flashlight, searchlight, lantern, bicycle light, bright flashlight, high-end lamp, military flashlight and so on.
2. Home appliance products: electric vacuum, cleaner, sweeper, water meter, gas meter, electric children toys, electric warm shoes, electric blanket, TV remote control (RC), etc.
3. Consumer applications, communicate & telephone equipment: MPS, tablet PC, laptop, Bluetooth earphone, power bank, portable DVD player, speaker, microphone, sound equipment, audio, digital camera and others
4. Outdoor sports products: camping light, mountain bike light, solar emergency light, self-defense flashlight .
5. Electronical tools & electric transportation vehicles: electric bike, e-scooter, electric car. electric motor and all that.
6. Solar lawn, remote control
7. Electrical and hobby, Medical device
8. Backup power supply, UPS, GPS



### Battery Maintenance

1. Charge new batteries. It's not necessary to charge over 12 hours when first used. When a device powered by batteries is purchased, sellers will usually tell us the batteries must first be charged 12 hours before using. Actually, this is unnecessary. Unlike common Ni-CD or Ni-MH batteries, most lithium ion batteries are activated before leaving the factory.
2. Use appropriate chargers.
3. Avoid frequently over charging.
4. Avoid touching metal contacts. All batteries' contacts need to be kept clean for best performance.
5. Avoid using often in high or low temperature environments.
6. Avoid long periods without using or recharging.

### Battery caution

- Do not immerse the battery in water or seawater, and keep the battery in a cool dry surrounding if it stands by
- Does not use or leave the battery near a heat source as fire or heater
- Use the battery charger specifically for that purpose when recharging.
- Do not reverse the position and negative terminals.
- Do not connect the battery electrodes to an electrical outlet.
- Do not discard the battery in fire or a heater.
- Do not short-circuit the battery by directly connecting the positive and negative terminals with metal objects.
- Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- Do not strike, trample or throw the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp objects.