

Lithium Iron Phosphate(LiFePO4) Battery



Features of LiFePO4 Battery

- > The whole module is non-toxic, non-polluting and environmentally friendly;
- > Cathode material is made from LiFePO₄ with safety performance and long cycle life;
- > Battery management system(BMS) has protection functions including over-discharge, over-charge, over-current and high/low temperature;
- > Small size and light weight, comfortable for installation and maintenance.

Application

- > Wheelchairs and scooters
- > Solar/wind energy storage
- > Back-up power for small UPS
- > Golf trolleys & buggies



Specification						
Electrical Characteristics	Nominal Voltage	12.8V	12.8V	12.8V	12.8V	25.6V
	Nominal Capacity	100AH	120AH	200AH	300AH	100AH
	Energy	1280WH	1536WH	2560WH	3840WH	2560WH
	Cycle Life	>4500 cycles @0.5C 80%DOD	>4500 cycles @0.5C 80%DOD	>4500 cycles @0.5C 80%DOD	>4500 cycles @0.5C 80%DOD	>4500 cycles @0.5C 80%DOD
	Months Self Discharge	<3%	<3%	<3%	<3%	<3%
Standard Charge	Charge Voltage	14V	14V	14V	14V	28V
	Charge Current	50A	50A	50A	75A	50A
	Max Charge Current	50A	50A	50A	75A	50A
	Charge Cut-off Voltage	14V	14V	14V	14V	28V
Standard Discharge	Continuous Current	50A	50A	50A	75A	50A
	Max Pulse Current	100A	100A	100A	150A	100A
	Discharge Cut-off Voltage	12V	12V	12V	12V	23.5V
Environmental	Charge Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Discharge Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Storage Temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
	IP Class	IP65	IP65	IP65	IP65	IP65
Parameters	Plastic Case	ABS	ABS	ABS	ABS	ABS
	Approx Dimension	364*213*227MM	364*213*227MM	532*207*215MM	640*245*220MM	532*207*215MM
	Approx Weight	12.1±0.5Kg	13.9±0.5Kg	23.5±0.5Kg	34.5±0.5Kg	23.5±0.5Kg
	Terminal	M8	M8	M8	M8	M8

Lithium Iron Phosphate(LiFePO4) Battery