Block LiFe PO4 Battery



Main Features

- Using the technology of lithium iron phosphate cell,superior safety, thousands of cycles,100%DOD,under normal conditions
- Built-in automatic protection for over-charge, over discharge, over current and over temperature
- Maintenance free
- Internal cell balancing
- Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- Can be charged using most standard lead-acid charges (set)
- Wider temperature range:-20° C ~60° C
- Can connect up to 4 batteries in series to have 12V, 24V, 36V or 48V battery.

Technical Parameter

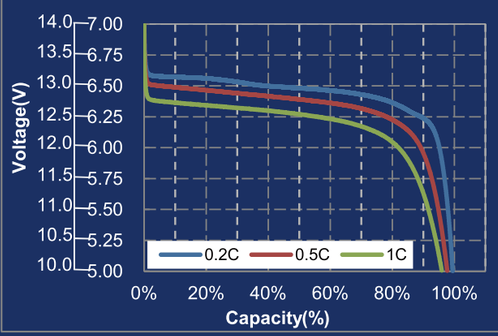
Model	LFP12-100	LFP12-200	LFP12-314
Norminal voltage	12.8V	12.8V	12.8V
Nominal Capacity@0.2C	100Ah	200Ah	314Ah
Energy(Wh)	1280Wh	2560Wh	4019Wh
Designed lifespan	10^{+} Years life design		
Months Self Discharge	≤3.5% per month at 25℃		
Standard Charge			
Charge Voltage	14.4±0.2V		
Charge Mode (CC/CV)	At 0℃~50℃ temperature, charged to 14.4V at a constant current of 0.5C, and then,changed continuously with constant voltage of 14.4V until the current was not more than 0.02C.		
Max.continuous Charge Current	100A	150A	150A
Standard Discharge			
Max. Continuous Discharging Current	100A	150A	150A
Max.Pulse Current	200A @10S	300A @10S	300A @10S
Discharge Cut-off Voltage	8.8V		
Environmental			
Charge Temperature	0℃ to 50℃(32℉ to 113℉)@60±25% Relative Humidity		
Discharge Temperature	-20℃ to 60℃(-4℉ to 140℉)@60±25% Relative Humidity		
Storage Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity		
Water Dust Resistance	IP65	IP65	IP65
Mechanical			
Case	ABS		Metal
Dimension (L*W*H) (mm)	328*172*215	384*250*194	350*200*295
Approx. Weight(Kg)	11.8	18.8	29.25
Terminal	M8	M8	M8

Note: A battery with a capacity of 50Ah or more can have Bluetooth function added.
Other specifications and models can be customized according to requirements.

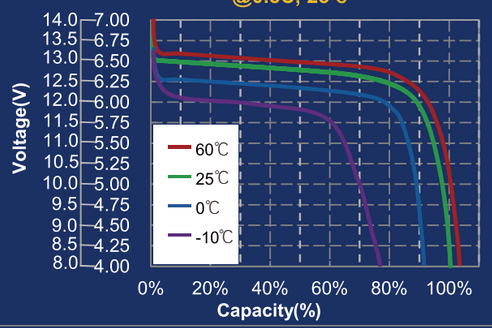
APPLICATION

- UPS
- Solar &Wind power system
- Golf Cart
- Electric vehicle, E-bike, E-rickshaw e.g.
- Lighting

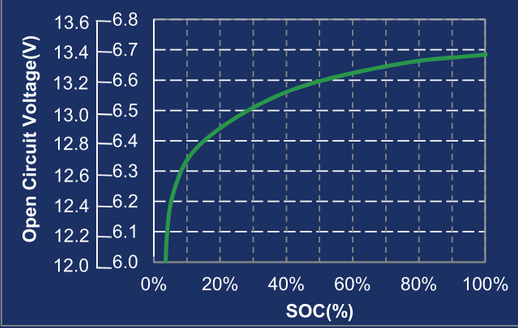
Different Rate Discharge Curve @ 25℃



Different Temperature Discharge Curve @0.5C, 25℃



Open circuit voltage VS SOC%



Product specifications are subject to change without notice.