Junlee Energy Storage Technology Co.,Ltd

LFP 51.2V 300Ah

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 ownership.

·**Light 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,evern high discharge rate, while maintaining high energy capacity.

·**Wider Temperature Range:**-20℃-60℃

·**Superior Safety**:Lithium Iron Phosphate 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.

Application

·Electric Vehicles,electric mobility
·Solar/wind energy storage system
·UPS,backup power
·Telecommunication
·Medical equipment
·Lighting

Specification		
Electrical Characteritics	Nominal Voltage	51.2 V
	Nominal Capacity	300Ah(C5,25℃)
	Energy	15360Wh
	Internal Resistance	≤30 mΩ
	Cycle Life	≥4000 cycles@0.2C 100% DOD
	Months Self Discharge	＜3%
	Efficiency of Charge	100% @ 0.2C
	Efficiency of Discharge	96-99%@0.2C
Standard Charge	Charge Mode	58.4 ±0.2V
	Charge cut-off voltage	0.2C Charge to 58.4V,then 58.4V Charge to 0.02C cut-off
	Charge current	40A
	Max charge current	50A
	Continuous current	100A

Standard Discharge	Max Pulse current	150A(＜3s)
	Discharge cut-off voltage	40V
	Continuours discharge current	100A
Environmental	Storage Temperature	0℃ to 55℃（32F to 113F)@60±25% Relative Humidity
	Charge Temperature	0℃ to 45℃（32F to 104F)@60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃（-4F to 140F)@60±25% Relative Humidity
Mechanical	Cell & Method	3.2V 50AH-16S3P
	Case	Iron
	Dimensions	760*530*178mm
	Weight	140 kg
	Terminal	100A though terminal
	Protocol	RS485/CAN/RS232