



LITHIUM BATTERY

12.8V 100AH | 200AH | 300AH



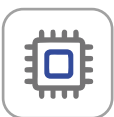
Wide Applications Off-grid, Hybrid Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply.



Replacement for lead-acid battery.



Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 6000 times.



Intelligent battery management system High reliability BMS.



LFP12100A(12.8V 100AH)



L*W*H:318*184*196mm

Product 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.
- ◆ Free of maintenance.
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Wider temperature range: -20°C~60°C.
- ◆ Support for Series application expansion

Battery Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	100 Ah
	Energy	1280 Wh
	Cycle Life	≥4000 Cycles @0.5C
Cell	Model	SP50160119F
	Capacity	100AH
	Rated Voltage	3.2V
	Combination Method	4S1P
Standard Charge	Charge Voltage	14.4V±0.2V
	Charge Mode	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)
	Charge Current	50A
	Max. Charge Current	100A
Standard Discharge	Max. Continuous Current	100A
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0℃ to 55 ℃(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	-20 ℃ to 55 ℃ (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 ℃ to 40 ℃(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	Ip65
Mechanical	Plastic Case	ABS
	Dimensions(mm)	318*184*196mm
	Weight(kg)	9.5KG



LFP12200A(12.8V 200AH)



L*W*H:302*214*258mm

Product 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.
- ◆ Free of maintenance.
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Wider temperature range: -20°C~60°C.
- ◆ Support for Series application expansion

Battery Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	200 Ah
	Energy	2560 Wh
	Cycle Life	≥6000 Cycles @0.5C
Cell	Model	GSP54173200F
	Capacity	200AH
	Rated Voltage	3.2V
	Combination Method	4S1P
Standard Charge	Charge Voltage	14.4V±0.2V
	Charge Mode	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)
	Charge Current	100A
	Max. Charge Current	150A
Standard Discharge	Max. Continuous Current	150A
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	Ip65
Mechanical	Plastic Case	ABS
	Dimensions(mm)	302*214*258mm
	Weight(kg)	19.5KG



L*W*H:379*218*262mm

Product 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.
- ◆ Free of maintenance.
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Wider temperature range: -20°C~60°C.
- ◆ Support for Series application expansion

Battery Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	300 Ah
	Energy	3840 Wh
	Cycle Life	≥6000 Cycles @0.5C
Cell	Model	GSP71173204F
	Capacity	300AH
	Rated Voltage	3.2V
	Combination Method	4S1P
Standard Charge	Charge Voltage	14.4V±0.2V
	Charge Mode	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)
	Charge Current	150A
	Max. Charge Current	150A
Standard Discharge	Max. Continuous Current	150A
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	Ip65
Mechanical	Plastic Case	ABS
	Dimensions(mm)	379*218*262mm
	Weight(kg)	26KG