

# LITHIUM BATTERY

12.8V 100AH & 12.8V 200AH & 12.8V 300AH

Replacement for lead acid battery



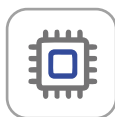
Wide Applications Off-grid, Hybrid Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply  
广泛应用离网、混合、备用、调峰及虚拟电厂；家用电器、不间断电源(UPS)



Replacement for lead-acid battery.  
铅酸电池的替代品



Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 3000 times.  
长循环寿命,采用高品质磷酸铁锂电池,循环寿命高达 3000 次。



Intelligent battery management system High reliability BMS  
智能电池管理系统, 高可靠性电池管理系统 (BMS)

# RN-12100(12.8V 100AH)



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

## Product Features 产品特性

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.  
采用磷酸铁锂电池技术,具备卓越的安全性,在正常使用条件下,可实现数千次循环寿命,且支持 100% 深度放电(100% DOD)
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature.  
内置过充、过放、过流及过温自动保护功能。
- ◆ Free of maintenance. 免维护
- ◆ Internal cell balancing. 内部电芯均衡 (功能)
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.  
重量更轻,约为同类铅酸电池重量的 40%-50%。
- ◆ Wider temperature range: -20°C~60°C.  
温度适应范围更广:-20°C~60°C
- ◆ Support for Series application expansion  
支持系列应用扩展

## Battery Specification 电池规格参数

Electrical Characteristics 电气性能	Nominal Voltage	额定电压	12.8V
	Nominal Capacity	额定容量	100 Ah
	Energy	电量	1280 Wh
	Cycle Life	循环寿命	≥3000 Cycles @0.5C
Cell 电芯	Model	规格型号	SP50160119F
	Capacity	容量	100AH
	Rated Voltage	标称电压	3.2V
	Combination Method	组合方式	4S1P
Standard Charge 充电	Charge Voltage	充电电压	14.4V±0.2V
	Charge Mode	充电制式	0.5C to 14.4V,then 14.4V,charge current to 0.02C(CC/Cv)
	Charge Current	充电电流	50A
	Max. Charge Current	最大充电电流	100A
Standard Discharge 放电	Max. Continuous Current	持续放电流	100A
	Discharge Cut-off Voltage	放电截止电压	10V
Environmental 环境	Charge Temperature	充电温度	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	放电温度	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	储存温度	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	防水防尘	Ip65
Mechanical 机械	Plastic Case	外壳材料	ABS
	Dimensions(mm)	外形尺寸	318*184*196mm
	Weight(kg)	重量	9.5KG

# RN-12200(12.8V 200AH)



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

## Product Features 产品特性

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.  
采用磷酸铁锂电池技术,具备卓越的安全性,在正常使用条件下,可实现数千次循环寿命,且支持 100% 深度放电(100% DOD)
- ◆ Built-in automatic protection for over-charge, over-discharge, over current and over temperature.  
内置过充、过放、过流及过温自动保护功能。
- ◆ Free of maintenance. 免维护
- ◆ Internal cell balancing. 内部电芯均衡 (功能)
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.  
重量更轻,约为同类铅酸电池重量的 40%-50%。
- ◆ Wider temperature range: -20°C~60°C.  
温度适应范围更广:-20°C~60°C
- ◆ Support for Series application expansion  
支持系列应用扩展

## Battery Specification 电池规格参数

Electrical Characteristics 电气性能	Nominal Voltage	额定电压	12.8V
	Nominal Capacity	额定容量	200 Ah
	Energy	电量	2560 Wh
	Cycle Life	循环寿命	≥3000 Cycles @0.5C
Cell 电芯	Model	规格型号	GSP54173200F
	Capacity	容量	200AH
	Rated Voltage	标称电压	3.2V
	Combination Method	组合方式	4S1P
Standard Charge 充电	Charge Voltage	充电电压	14.4V±0.2V
	Charge Mode	充电制式	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)
	Charge Current	充电电流	100A
	Max. Charge Current	最大充电电流	150A
Standard Discharge 放电	Max. Continuous Current	持续放电流	150A
	Discharge Cut-off Voltage	放电截止电压	10V
Environmental 环境	Charge Temperature	充电温度	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	放电温度	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	储存温度	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	防水防尘	Ip65
Mechanical 机械	Plastic Case	外壳材料	ABS
	Dimensions(mm)	外形尺寸	302*214*258mm
	Weight(kg)	重量	19.5KG

# RN-12300(12.8V 300AH)



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

## Product Features 产品特性

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.  
采用磷酸铁锂电池技术,具备卓越的安全性,在正常使用条件下,可实现数千次循环寿命,且支持 100% 深度放电(100% DOD)
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature.  
内置过充、过放、过流及过温自动保护功能。
- ◆ Free of maintenance. 免维护
- ◆ Internal cell balancing. 内部电芯均衡 (功能)
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.  
重量更轻,约为同类铅酸电池重量的 40%-50%。
- ◆ Wider temperature range: -20°C~60°C.  
温度适应范围更广:-20°C~60°C
- ◆ Support for Series application expansion  
支持系列应用扩展

## Battery Specification 电池规格参数

Electrical Characteristics 电气性能	Nominal Voltage	额定电压	12.8V
	Nominal Capacity	额定容量	300 Ah
	Energy	电量	3840 Wh
	Cycle Life	循环寿命	≥6000 Cycles @0.5C
Cell 电芯	Model	规格型号	GSP71173204F
	Capacity	容量	300AH
	Rated Voltage	标称电压	3.2V
	Combination Method	组合方式	4S1P
Standard Charge 充电	Charge Voltage	充电电压	14.4V±0.2V
	Charge Mode	充电制式	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)
	Charge Current	充电电流	150A
	Max. Charge Current	最大充电电流	150A
Standard Discharge 放电	Max. Continuous Current	持续放电流	150A
	Discharge Cut-off Voltage	放电截止电压	10V
Environmental 环境	Charge Temperature	充电温度	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	放电温度	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	储存温度	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
	Water Dust Resistance	防水防尘	Ip65
Mechanical 机械	Plastic Case	外壳材料	ABS
	Dimensions(mm)	外形尺寸	379*218*262mm
	Weight(kg)	重量	26KG