

LITHIUM BATTERY

SPECIALIZED FOR SOLAR PV POWER SYSTEM

RGLF- SERIES



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



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



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



Replacement for lead-acid battery.



Intelligent battery management system High reliability BMS



Product model	RG-LF-12.8V-100AH	RG-LF-12.8V-200AH	RG-LF-12.8V-300AH
Nominal Voltage	12.8V		
Nominal Capacity	100Ah	200Ah	300Ah
Energy	1280Wh	2560Wh	3840Wh
Cycle Life	≥6000 Cycles @0.5C		
Model	SP50160119F	GSP54173200F	GSP71173204F
Capacity	100AH	200AH	300AH
Rated Voltage	3.2V		
Combination Method	4S1P		
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	100A	150A
Max. Charge Current	100A	150A	150A
Max. Continuous Current	100A	150A	150A
Discharge Cut-off Voltage	10V		
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		
Plastic Case	ABS		
Dimensions(mm)	370*260*225mm	370*285*310mm	450*285*315mm
Weight(kg)	9.5KG	17.5KG	25.1KG