

GR

-25200/51100/51200/51314

Low-Voltage Rack-Mounted Battery



- All new a grade LiFePO4 cells
- 6000 cycle life
- Scalable expansion up to 15 pcs in parallel
- Built-in smart battery management system (BMS)



Low-Voltage Rack-Mounted Batteries are perfectly suited for residential buildings, villas, hotels and other small-scale commercial applications. The lightweight design of the rack-mounted LFP battery enables fast installation as well as effortless operation and maintenance.

ADVANTAGE



**HIGH
EFFICIENCY**



**SPACE
SAVING**



**EXPANDABLE
SYSTEM**



**EASY
INSTALLATION**



**CONVENIENT O&M
AND LOW COST**

SPECIFICATION

Electrical				
Model	GR-25200	GR-51100	GR-51200	GR-51314
Cell type	LiFePO4			
Rated voltage	25.6VDC	51.2 VDC		
Voltage range	21.6 ~ 28.8VDC	43.2 ~ 57.6VDC		
Nominal capacity	200Ah	100Ah	200Ah	314Ah
Rated capacity	5.12kWh	5.12kWh	10.24kWh	16.07kWh
Standard charge/discharge current	50A			100A
Maximum charge/discharge current	100A			200A
Expandable parallel connection	1 ~ 15pcs			
Discharge depth	90%			
Cycle life ^[1]	≥6000 Cycles			
Environmental				
Ambient humidity	≤80%RH (No condensation)			
Operating temperature	Charge: 0 ~ 55°C Discharge: -20 ~ 55°C			
Storage temperature	-20 ~ 55°C			
Altitude	≤2000m			
Cooling method	Natural cooling			
Communication				
Display	LCD display/LED indicator light			
Communication	CAN/RS485			
Mechanical				
Dimension	484*420.5*165mm	484*420.5*165mm	484*630*235.5mm	484*775*235.5mm
Weight	41kg	41kg	85kg	106kg
Installation method	Rack-mounted			
Protection level	IP20			
Conformance				
Safety regulations	IEC 62619			
EMC	EN IEC 61000-6-1/2/3/4			
Transportation	UN 38.3			

[1] Test conditions: 0.2C charge/discharge, ambient temperature maintained at 25±2°C, 80% DOD

