

LifePO₄ RACK MOUNTED BATTERY

48V/51.2V Paralleling for 20U/33U Cabinet



48V



4.8/5.12kWh



20/33U



UN38.3

MSDS

IEC62619



» Single Module

Single Battery Module	GPRB-48100P (16S)	GPEB-48100P-A (15S)
Battery type	LiFePO ₄	LiFePO ₄
Nominal Energy (kWh)	5.12	4.8
Nominal Voltage (V)	51.2	48
Nominal Capacity (Ah)	100	100
Voltage Range (V)	43.2~58.4	40.5~54.7
Charge Voltage (V)	56.8-58.4	53.2~54.7
Charge Current (A)	50	
Discharge Current [A]	100	
Communication	CAN/ RS485/ RS232	
Charge Temperature	0°C~50°C	
Discharge Temperature	-20°C~55°C	
Designed Life	10+ Years	
Cycle Life	> 6000 (@25°C , 80% DOD)	
Weight (kg)	44	42

ENERGY STORAGE BATTERY




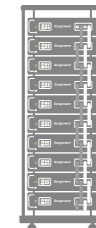
GPRB-48100P

Rack mounted 51.2V/48V 20-40kWh

» Key Features

- Suitable for both off-grid and hybrid inverters, and protocol match well
- The fault diagnosis and isolating function for battery module protects the system
- Programmable charge and discharge control
- Elegant design, IP Rate: IP65, Plug and Play
- Design Life >10 years @25°C
- Flexibly and easy installation
- Multi-level software and hardware protection
- Cycles: More than 6000 cycle life with 80% DOD
- Certificates: CE, TUV, ROHS, UN38.3, IEC62619, MSDS

» Embedded Solution

Parameters	GPRB-20U6P Solution	GPRB-33U10P Solution
Battery module quantity		
Nominal Energy (kWh)	30.72	51.2
Nominal Voltage	51.2/48	51.2
Battery Module	GPRB-48100 / GPRB-48100-A	GPRB-48100 / GPRB-48100-A
Max. number of battery module (PCS)	6	10
Nominal Capacity (Ah)	600	1000
Voltage Range (V)	43.2~58.4	43.2~58.4
Charge Voltage (V)	56.8-58.4	56.8-58.4
Charge/discharge Current (A)	100~400	100~700
Environment Parameter		
Cooling Mode	Natural cooling (Fanless)	
Charge Temperature Range (°C)	0°C~50°C	
Discharge Temperature Range (°C)	-20°C~55°C	
Others		
Connection Port	Top and Bottom	
Communication	CAN/ RS485/ RS232/ Dry Contact	
Safety & Certification	UN38.3、IE62619	
Designed Life	10+ Years	
Dimension (L*W*H)	1000*600*600mm (20U)	1686*600*600mm (33U)
Weight (kg)	300 (20U)	480 (33U)