

Rack-mounted Low-Voltage Battery System



LED status indicators

NO.	Project	Explanation
1	SOC	SOC LED
2	ALM	ALM LED
3	RUN	RUN LED
4	ADS	DIP switchToggle switchDial Switch
5	RS232	RS232 communication port
6	RS485A	RS485 communication port
7	CAN	CAN communication port
8	RS485B	RS485B communication port
9	RS485B	RS485B communication port
10	DRY	DRY dry contact
11	RES	
12	+	red positive
13	-	black negative
14	Low voltage switch	Control BMS switch on and off



- High performance LFP battery cells of major brands are selected, with cycle life of 5000 and service life of more than 10 years. The comprehensive operation cost is low.
- With Perfect BMS protection function and all-round control system, the battery can run safely and efficiently.
- Standard chassis design makes the assembly convenient and fast. Combined products can meet the needs of different capacity and power.
- CAN, RS485 and RS232 communication protocols are supported, and inverters of various brands can be matched.

Product model	GS48V100Ah	GS48V200Ah	GS192V200Ah	GS384V200Ah
Product demo				
Battery cell parameters				
Battery cell type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Rated voltage	3.2V	3.2V	3.2V	3.2V
Rated capacity	16S1P	16S1P	15S1P	15S1P
Voltage range	2.8V-3.65V	2.8V-3.65V	2.8V-3.65V	2.8V-3.65V
Certification	UN38.3/UL/IEC62619/MSDS			
Pack parameters				
Rated voltage	48V	48V	192V	384V
Series/Parallel	16S1P	16S1P	15S1P	16S1P
Working voltage range	40V-58.4V	40V-58.4V	138V-219V	97V-174V
Charge voltage	54.4V-55.2V	54.4V-55.2V	207V-213V	163V-163V
Floating charge voltage	53.6V-54.4V	53.6V-54.4V	201V-204V	160V-163V
Rated capacity	100Ah	200Ah	200Ah	200Ah
Energy	5.12KWH	10.24KWH	38.4KWH	76.8KWH
Rated charge current	100A	100A	100A	100A
Peak charge current	100A	100A	100A	100A
Rated discharge current	100A	100A	200A	200A
Peak discharge current	100A	100A	200A	200A
Product dimension(W*D*H)	482.6*540*132.5MM	482.6*570*221.5MM	560*750*1400MM	1100*750*1550MM
Product weight	37.5KG	78KG	340KG	680KG
Other parameters				
Charge temperature	0-55 C			
Discharge temperature	-10-55 C			
Optimum temperature	15-25 C			
Cooling method	Natural cooling			
IP rating	IP20			
Relative humidity	5%-95%			
Altitude	≤2000M			
Cycle life	≥5000 cycles@80%DOD, 0.5C/0.5C, 25 C			
Communication interfaces	CAN/RS485/RS232			
Protection	Over temperature, over current, over voltage, insulation and other multiple protection, etc.			
Design lifetime	≥10 years			
Parallel Capability	Maximum 15 units (Recommended ≤5 units)			