SUG New Energy

SUG NEW ENERGY CO., LTD.

SBS- Rack/Cabinet Mounted Lithium Energy Storage Battery

48V/51.2V 100AH/200Ah/300Ah

BMS protection | Free combination | Home energy storage | Intelligent communication

Product Introduction

The SBS- Rack/Cabinet mounted lithium energy storage battery, uses high cycle lithium iron phosphate cells, high-performance BMS protection and management battery system, and can be combined into up to 15 battery modules in parallel. The capacity can be freely combined to meet various needs of households and industries.into up to 15 battery modules in parallel.

Product features

1. Grade A LiFePO4 cell
2. Parallel support for 15PCS
3. Compatible with multiple inverter brands
4. 6000 cycles @ DOD80%
5. Bluetooth/WIFI optional
6. LCD display screen (touch screen optional)
7. BMS 100A/150A/200A optional

Application Area

※ Energy storage system, control system, alarm system, power system, database

※ Emergency lighting system, emergency power supply, UPS

※ Telecommunications, communication, and fire protection

Product Parameters

Model	SBS-48100	SBS-48200	SBS-48300	SBS-51.2100	SBS-51.2200	SBS-51.2300
Standard voltage	48V	48V	48V	51.2V	51.2V	51.2V
Standard capacity	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah
Rated capacity	4.8kWh	9.6kWh	14.4kWh	5.12kWh	10.24kWh	15.36kWh
Working voltage	40.5-54V			43.2-57.6V		
Standard charging current	50A	100A	150A	50A	100A	150A
Standard discharging current	100A	100A	200A	100A	100A	200A
Suggested DOD	80%					
Cycle life	>6000 cycles					
IP Rating	IP20					
Discharge operating temperature	-20℃-50℃					
Charging operating temperature	0℃-45℃					
Maximum parallel	15PCS					
Communication	RS232/CAN/RS485 (WIFI/BT optional)					
Display	LCD display screen (touch screen optional)					
Warranty	5 Years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
NW. (kg)	40	75	105	44	84	110
GW.(kg)	50	90	121	52	99	129
Product size (mm)	430*482*178	790*482*178	790*480*200	430*482*178	790*482*178	790*480*200
Package size(mm)	510*530*300	870*610*410	850*540*440	510*530*300	870*610*410	850*540*440