

SG-B5KW

LV storage batteries



CHARACTERISTICS

- 51.2V low voltage LiFePO4 battery module, single module 51.2V 100Ah 5.12kWh
- Recommended from 1 to a maximum of 6 modules
- 48V single-phase or three-phase 5KW, 8KW, 10KW, 12KW off-grid or hybrid on/off-grid inverters allowed
- Cobalt-free lithium iron phosphate (LFP) battery: maximum safety, duration and power
- Capable of high power emergency backup and off-grid function
- Optimization of self-consumption for residential and commercial use
- Modular design simplifies transport and installation
- 10 year life cycle

Modules number	1 module
Stored energy	5.12KWh
Operating voltage range	43.2V~56.16V
Dimensions (L*D*H)	600*210*440mm
Total weight (kg)	71 kg
Recommended charge current	50A
Maximum charge/discharge current	100A
Peak discharge current	200A
LED displays	Battery information, such as SOC and battery operating status.
Communication	Support RS485 / CAN
Operating temperature	-20°C ~ 55°C
Environment	Indoor
Relative humidity 5%~95%	5%~95%
Cooling	Natural cooling
Typology	Lithium iron phosphate (LiFePO4)
Life cycle	6000 (80% DOD)
Security	IE62619 CB (ITS) IEC62040 CNAS, CE-EMC TUV, UN 38.3
Module	51,2V 100Ah, 5,12kWh
Single battery module size (W*D*H)	600*210*300 mm
Weight of single battery module (kg)	48 kg