SBH100/150/200/ 250/300/350/400

High Voltage LFP Battery



HIGH POWER

- Up to 50A continuous charging and discharging current, 8 modules unit power up to 28 kW
- Up to 100 % usable energy

SAFETY

- Lithium iron phosphate Battery
- Multi-stages protection design and extensive safety certification

FLEXIBILITY

- Extendable during lifetime
- 10–40 kWh capacity range

EASY INSTALLATION

- Plug and play, no cable needed between battery modules

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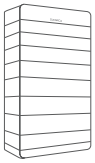
SUNGROW
Clean power for all

Type designation	SBH100	SBH150	SBH200	SBH250	SBH300	SBH350	SBH400
Technical properties	 2 modules	 3 modules	 4 modules	 5 modules	 6 modules	 7 modules	 8 modules
System data							
Battery type	LiFePO4 Prismatic Cell						
Battery module	5.0 kWh , 45 kg						
Energy (useable) *	10.0 kWh	15.0 kWh	20.0 kWh	25.0 kWh	30.0 kWh	35.0 kWh	40.0 kWh
Nominal voltage	140.8 V	211.2 V	281.6 V	352.0 V	422.4 V	492.8 V	563.2 V
Rated DC power	7.04 kW	10.56 kW	14.08 kW	17.60 kW	21.12 kW	24.64 kW	28.16 kW
Operating voltage	118.8V-160.6V	178.2V-240.9V	237.6V-321.2V	297V-401.5V	356.4V-481.8V	415.8V-562.1V	475.2V-642.4V
Max. charging/discharging current: continuous	50 A						
Depth of discharge	Max. 100 % DOD (settable)						
Short circuit current	3500 A						
Display	SOC indicator , Status indicator						
Communication interface	CAN						
Protection							
Over/under voltage protection	Yes						
Over current protection	Yes						
Over/under temperature protection	Yes						
DC breaker	Yes						
General data							
Dimensions (W*H*D)	675 * 580 * 350 mm	675 * 740 * 350 mm	675 * 900 * 350 mm	675 * 1060 * 350 mm	675 * 1220 * 350 mm	675 * 1380 * 350 mm	675 * 1540 * 350 mm
Weight	106 kg	151 kg	196 kg	241 kg	286 kg	331 kg	376 kg
Installation location	Indoor / Outdoor						
Mounting method	Floor stand						
Operating ambient temperature range	Charge：0 ℃ - 50 ℃ Discharge：-20 ℃ - 50 ℃						
Degree of protection	IP55						
Allowable relative humidity range	0 % - 95 % no condensing						
Max. operating altitude	Max. 2000 m						
Cooling method	Natural convection						
Certificates	CE, CEC, IEC 62619, IEC 62040, UN 38.3, VDE 2510-50, IEC 62477, IEC 63056						
Warranty**	10 Years						

* Test conditions: 25 ℃ , 100 % depth of discharge (DOD), 0.2C charge&discharge
** Refer to battery warranty letter for conditional application

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