

SBH200/ 250/300/350/400

High Voltage LFP Battery



HIGH POWER

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



SAFETY

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



FLEXIBILITY

- Extendable during lifetime
- Support 2-8 modules per unit, max. 4 units in parallel, 10-160 kWh capacity range



EASY INSTALLATION

- Plug and play, no cable needed between battery modules



Type designation	SBH200	SBH250	SBH300	SBH350	SBH400
Technical properties	 4 modules	 5 modules	 6 modules	 7 modules	 8 modules
System data	LiFePO4 Prismatic Cell				
Battery type	5.0 kWh, 45 kg				
Battery module					
Energy (useable)*	20.0kWh	25.0 kWh	30.0 kWh	35.0 kWh	40.0 kWh
Nominal voltage	281.6 V	352.0 V	422.4 V	492.8 V	563.2 V
Nominal power**	14.08 kW	17.60 kW	21.12 kW	24.64 kW	28.16 kW
Operating voltage	237.6 V - 321.2 V	297 V - 401.5 V	356.4 V - 481.8 V	415.8 V - 562.1 V	475.2 V - 642.4 V
Max. charge/discharge current: continuous	50 A				
Depth of discharge	Max. 100 % DOD (settable)				
Short circuit current	3900 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 * 900 * 350 mm	675 * 1060 * 350 mm	675 * 1220 * 350 mm	675 * 1380 * 350 mm	675 * 1540 * 350 mm
Weight	196 kg	241 kg	286 kg	331 kg	376 kg
Installation location	Indoor / Outdoor				
Mounting method	Floor stand				
Operating ambient temperature range	Charge: 0 °C - 50 °C Discharge: -20 °C - 50 °C				
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, UN38.3, VDE 2510-50 , IEC62477 , IEC63056 , UL 9540B				
Warranty***	10 Years				
Country of manufacture	China				

* Test conditions: 25 °C , 100 % depth of discharge (DOD), 0.2C charge&discharge

** Nominal charge / discharge current and power derating will occur related to Temperature and SOC

*** Refer to battery warranty letter for conditional application