

SBH150/200/250/300/350/400 High Voltage LFP Battery



HIGH POWER

- Up to 50A continuous charging and discharging current
- Max.power exceeding 25kW



SAFETY

- Lithium Iron Phosphate (LFP) Cell
- Refined battery management



FLEXIBILITY






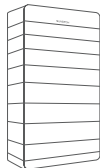
- Extendable as needs
- Support 3-8 modules per unit, max.4 units in parallel(160kWh)



EASY INSTALLATION

- Stackable & Modular design
- Plug and play, no cable between battery modules



Type designation	SBH150	SBH200	SBH250	SBH300	SBH350	SBH400
Technical properties	 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) ¹⁾	15.0 kWh	20.0 kWh	25.0 kWh	30.0 kWh	35.0 kWh	40.0 kWh
Nominal voltage	211.2 V	281.6 V	352.0 V	422.4 V	492.8 V	563.2 V
Normal power ²⁾	10.56 kW	14.08 kW	17.60 kW	21.12 kW	24.64 kW	28.16 kW
Operating voltage	178.2V – 240.9V	237.6V – 321.2V	297 V – 401.5 V	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	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 * 740 * 350 mm	675 * 900 * 350 mm	675 * 1060 * 350 mm	675 * 1220 * 350 mm	675 * 1380 * 350 mm	675 * 1540 * 350 mm
Weight	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 °C to 50 °C Discharge: -20 °C to 50 °C					
Degree of protection	IP55					
Allowable relative humidity range	0 % to 95 % non 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					
Warranty ³⁾	10 Years					
Country of manufacture	China					

¹⁾ Test conditions: 25°C , 100% depth of discharge (DOD), 0.2C charge&discharge

²⁾ Normal charge/discharge current and power derating will occur related to Temperature and SOC

³⁾ Refer to battery warranty letter for conditional application

