

# SBH200/ 250/300/350/400

High Voltage LFP Battery



## HIGH POWER

- Up to 50A continuous charge and discharge current
- Max.power exceeding 25kW



## SAFETY

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



## FLEXIBILITY






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



## EASY INSTALLATION

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



Type designation	SBH200	SBH250	SBH300	SBH350	SBH400
Technical properties	 4 modules	 5 modules	 6 modules	 7 modules	 8 modules
<b>System data</b>	<b>LiFePO4 Prismatic Cell</b>				
Battery type	LiFePO4 Prismatic Cell				
Battery module	5.0kWh, 45kg				
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	237.6V-321.2V	297V-401.5V	356.4V-481.8V	415.8V-562.1V	475.2V-642.4V
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				
<b>Protection</b>					
Over/under voltage protection	Yes				
Over current protection	Yes				
Over/under temperature protection	Yes				
DC breaker	Yes				
<b>General data</b>					
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, IEC 62619, IEC 62040, UN 38.3, VDE 2510-50, IEC 62477, IEC 63056				
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

