

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 |
| System data | LiFePO4 Prismatic Cell | | | | |
| 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) | | | | |
| 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, 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

