

SBR096/128/160/192/ 224/256

High Voltage LFP Battery



HIGH-PERFORMANCE

- 100% usable energy
- 30 A continuous charging and discharging current



SAFETY

- Lithium iron phosphate battery
- Multi-stages protection design plus authorized certification



FLEXIBILITY







- Extendable during lifetime¹
- Support 3–8 modules per unit, max. 4 units in parallel, 9–100 kWh capacity range



EASY INSTALLATION

- Compact and Light, single person installation
- Plug and Play, wiring-less connection between modules



| Type designation | SBR096 | SBR128 | SBR160 | SBR192 | SBR224 | SBR256 |
|--|--|--|--|--|--|--|
| Technical properties |  3 modules |  4 modules |  5 modules |  6 modules |  7 modules |  8 modules |
| System Data | | | | | | |
| Battery Type | LiFePO4 Prismatic Cell | | | | | |
| Battery Module | 3.2 kWh, 33 kg | | | | | |
| Nominal Capacity | 9.6 kWh | 12.8 kWh | 16 kWh | 19.2 kWh | 22.4 kWh | 25.6 kWh |
| Energy (usable) ² | 9.6 kWh | 12.8 kWh | 16 kWh | 19.2 kWh | 22.4 kWh | 25.6 kWh |
| Nominal voltage | 192 V | 256 V | 320 V | 384 V | 448 V | 512 V |
| Operating voltage | 150 – 219 V | 200 – 292 V | 250 – 365 V | 300 – 438 V | 350 – 511 V | 400 – 584 V |
| Rated DC power | 5.76 kW | 7.68 kW | 9.6 kW | 11.52 kW | 13.44 kW | 15.36 kW |
| Max. charge/discharge power | 6.57 kW | 8.76 kW | 10.95 kW | 13.14 kW | 15.33 kW | 17.52 kW |
| Max. charging/discharging current: continuous | 30 A | | | | | |
| Max. charging/discharging current: 10s pulse | 42 A | | | | | |
| Depth of Discharge | 100% | | | | | |
| Short circuit current | 1700 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) | 625*545*330 mm | 625*675*330 mm | 625*805*330 mm | 625*935*330 mm | 625*1065*330 mm | 625*1195*330 mm |
| Weight | 114 kg | 147 kg | 180 kg | 213 kg | 246 kg | 279 kg |
| Installation location | Indoor / Outdoor | | | | | |
| Mounting method | Floor stand | | | | | |
| Operating ambient temperature range | Charge: 0 to 50 °C / Discharge: -30 to 50 °C | | | | | |
| Degree of protection | IP55 | | | | | |
| Allowable relative humidity range | 0% to 95% (non-condensing) | | | | | |
| Max. operating altitude | 2000 m | | | | | |
| Cooling method | Natural convection | | | | | |
| Certificates | CE, CEC, IEC 62619, IEC 62040, UN38.3, VDE 2510-50 ⁵ | | | | | |
| Warranty ³ | 10 Years | | | | | |
| Expansion adaptation ⁴ | Up to 4 units in parallel (need extra Junction box) | | | | | |

1: Available in Q3, 2021

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

3: Refer to battery warranty letter for conditional application.

4: Available in Q3, 2021

5: Available in Q2,2021

