

# SBR064/096/128/160/ 192/224/256

High Voltage LFP Battery

NEW



## HIGH-PERFORMANCE

- Up to 30A continuous charging and discharging current with high efficiency
- Up to 100% usable energy



## SAFETY

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



## FLEXIBILITY








- Extendable during lifetime
- Support 2-8 modules per unit, 6.4-25.6 kWh capacity range



## EASY INSTALLATION

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



| Type designation                                | SBR064 <sup>3</sup>  | SBR096  | SBR128  | SBR160   | SBR192  | SBR224  | SBR256  |
|---|--|---|---|--|---|---|---|
| Technical properties                            |       |  |  |  |  |  |  |
|   | 2 modules  | 3 modules   | 4 modules   | 5 modules  | 6 modules   | 7 modules   | 8 modules   |
| <b>System Data</b>                              |  |   |   |  |   |   |   |
| Battery type                                    | LiFePO4 Prismatic Cell   |   |   |  |   |   |   |
| Battery module                                  | 3.2 kWh, 33 kg   |   |   |  |   |   |   |
| Energy (useable) <sup>1</sup>                   | 6.4 kWh  | 9.6 kWh   | 12.8 kWh  | 16 kWh   | 19.2 kWh  | 22.4 kWh  | 25.6 kWh  |
| Nominal voltage                                 | 128 V  | 192 V   | 256 V   | 320 V  | 384 V   | 448 V   | 512 V   |
| Operating voltage                               | 108 V – 146 V  | 162 V – 219 V   | 216 V – 292 V   | 270 V – 365 V  | 324 V – 438 V   | 378 V – 511 V   | 432 V – 584 V   |
| Rated DC power                                  | 3.84 kW  | 5.76 kW   | 7.68 kW   | 9.60 kW  | 11.52 kW  | 13.44 kW  | 15.36 kW  |
| Max. charging / discharging current: continuous | 30 A   |   |   |  |   |   |   |
| Depth of Discharge                              | Max. 100 % DOD (settable)  |   |   |  |   |   |   |
| Short circuit current                           | 3500 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)                              | 625*545*330 mm   | 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  | 89 kg  | 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 °C - 50 °C<br>Discharge: -20 °C - 50 °C                                      |   |   |  |   |   |   |
| Degree of protection                            | IP55   |   |   |  |   |   |   |
| Allowable relative humidity range               | 0% - 95% ( non - condensing )  |   |   |  |   |   |   |
| Max. operating altitude                         | 4000 m   |   |   |  |   |   |   |
| Cooling method                                  | Natural convection   |   |   |  |   |   |   |
| Certificates                                    | CE, CEC, IEC 62619, IEC 62040, UN38.3, VDE 2510-50, IEC62477, IEC63056, IEC61000, UKCA |   |   |  |   |   |   |
| Warranty <sup>2</sup>                           | 10 Years   |   |   |  |   |   |   |
| Country of manufacture                          | Made in China  |   |   |  |   |   |   |

1. Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.2C charge & discharge
2. Refer to battery warranty letter for conditional application.
3. SBR064 consists of 2 battery modules and 1 empty module.

