

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

High Voltage LFP Battery



## HIGH-PERFORMANCE

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



## SAFETY

- Lithium iron phosphate Battery
- Multi-stages protection design and extensive safety 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, no cables needed between battery modules



| Type designation                      | SBR064 *                                                                                       | SBR096                                                                                         | SBR128                                                                                         | SBR160                                                                                         | SBR192                                                                                           | SBR224                                                                                           | SBR256                                                                                           |
|---------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Technical properties                  | <br>2 modules | <br>3 modules | <br>4 modules | <br>5 modules | <br>6 modules | <br>7 modules | <br>8 modules |
| System data                           |                                                                                                |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Battery type                          | LiFePO4 Prismatic Cell                                                                         |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Battery module                        | 3.2 kWh, 33 kg                                                                                 |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Energy (useable) **                   | 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                                                                                  | 150 V – 219 V                                                                                  | 200 V – 292 V                                                                                  | 250 V – 365 V                                                                                  | 300 V – 438 V                                                                                    | 350 V – 511 V                                                                                    | 400 V – 584 V                                                                                    |
| Max. charging/discharging current *** | 30 A                                                                                           |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Depth of discharge                    | Max. 100 % DOD (settable)                                                                      |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Short circuit current                 | 3500 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*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               | Max. 4000 m                                                                                    |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Cooling method                        | Natural convection                                                                             |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |
| Certificates                          | CE, CEC, IEC 62619, IEC 62040, UN38.3, VDE 2510-50, IEC 62477, IEC 63056, IEC 61000, UKCA      |                                                                                                |                                                                                                |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                  |

\* SBR064 consists of 2 battery modules and 1 empty module.

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

\*\*\* The maximum charging/discharging current of SBR064 is 20A when used with SHRT series inverter.

