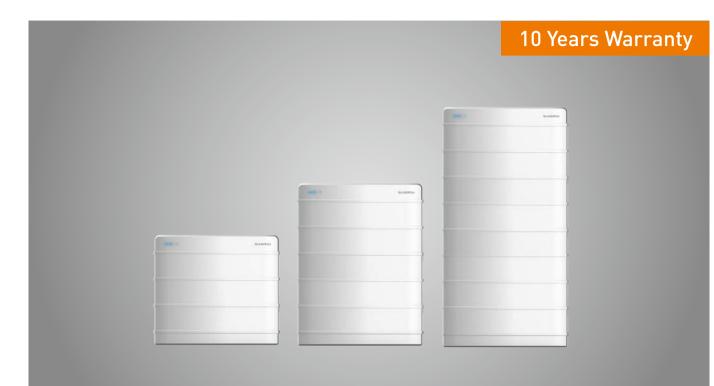
SBR096/128/160/192/224/256 SUNGROW



High Voltage LFP Battery New



HIGH-PERFORMANCE

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

FLEXIBILITY

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

SAFETY

- Lithium iron phosphate battery
- · Multi-stages protection design and rigorous safety certification

EASY INSTALLATION

- Compact and light, single person installation
- Plug and Play, wiring-less connection between modules
- Seamless integration with hybrid inverter



SBR096/SBR128/SBR160/SBR192/SBR224/SBR256

| Type designation | SBR096 | SBR128 | SBR160 | SBR192 | SBR224 | SBR256 |
|--|---|----------------|----------------|----------------|-----------------|-----------------|
| Technical properties | 3 modules | 4 modules | 5 modules | 6 modules | 7 modules | 8modules |
| System Data | 3 modules | 4 modules | Smodules | omodules | 7 modules | ornodules |
| Battery type | LiFePO4 (Lithium Iron Phosphate Battery / LFP) prismatic cell | | | | | |
| Battery module | 3.2kWh, 33kg, 625*130*330 mm (W*H*D without handle) | | | | | |
| 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 | 168 – 219 V | 224 – 292 V | 280 – 365 V | 336 – 438 V | 392 – 511 V | 448 – 584 V |
| Max. charging / discharging current: continuous | 30 A | | | | | |
| Max. charging / discharging current: 10 s pulse | 42 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 (standard) | | | | | |
| Operating ambient temperature range | Charge: 0 to 50℃ Discharge: -30 to 50℃ | | | | | |
| 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, JIS C 8715-2, UN38.3 | | | | | |
| 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



