

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						
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