

# 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 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 (usable) <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 – 146 V	162 – 219 V	216 – 292 V	270 – 365 V	324 – 438 V	378 – 511 V	432 – 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 to 50 °C Discharge: -20 to 50 °C						
Degree of protection	IP55						
Allowable relative humidity range	0% to 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						

<sup>1</sup> Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.2C charge & discharge

<sup>2</sup> Refer to battery warranty letter for conditional application.

<sup>3</sup> SBR064 consists of 2 battery modules and 1 empty module.