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 lifetime[1]
- 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

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Type designation	SBR096	SBR128	SBR160	SBR192	SBR224	SBR256
Technical properties	3 modules	4 modules	5 modules	6 modules	7 modules	8 modules
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 ℃ / 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, 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℃, 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

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