

SBR096/128/160/192/224/256

SUNGROW

Clean power for all

High Voltage LFP Battery

New

10 Years Warranty



HIGH-PERFORMANCE

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

SAFETY

- Lithium iron phosphate battery
- Multi-stages protection design and rigorous safety 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
- Seamless integration with hybrid inverter



Type designation	SBR096	SBR128	SBR160	SBR192	SBR224	SBR256
Technical properties						
	3 modules	4 modules	5 modules	6 modules	7 modules	8modules
System Data						
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°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, 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