SUNGROW
Clean power for all

SBS050

High Voltage LFP Battery

HIGH-PERFORMANCE

- Single module supports 5 kW output
- Up to 100 % usable energy

SAFETY

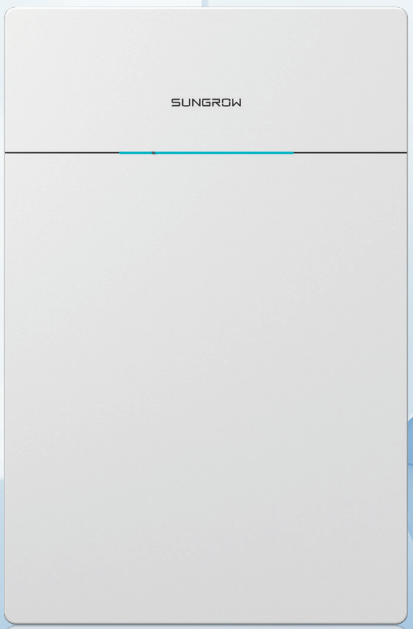
- Lithium Iron Phosphate (LFP) Cell
- Refined battery management

FLEXIBILITY

- Supports 1-4 modules parallel (20.48 kWh)
- No need a junction box for expansion

EASY INSTALLATION

- Slim design with a depth of only 182 mm
- Plug and play design



Technical properties	SBS050
System data	
Battery type	LiFePO4 Prismatic Cell
Battery module	5.12 kWh
Nominal voltage	102.4 V
Operating voltage	86.4 V - 116.8 V
Rated charging / discharging current *: continuous	30 A (charging) / 50 A (discharging)
Max. charging / discharging current *	50 A (charging) / 50 A (discharging)
Max. charging / discharging power	5 kW
Depth of discharge	Max. 100 % DOD (settable)
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)	515 mm * 780 mm * 182 mm
Weight	58 kg
Installation location	Indoor / Outdoor
Mounting method	Floor stand / Wall-mounted
Operating ambient temperature range	Charge：0 ℃ - 55 ℃ Discharge：-20 ℃ - 55 ℃
Degree of protection	IP65
Allowable relative humidity range	0 % - 95 % no condensing
Max. operating altitude	Max. 2000 m
Cooling method	Natural convection
Certificates	UN 38.3, IEC 62619

* Rated / Max. charging / discharging current is 30A in combination with SH3.0-6.0RS V11 / V13

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