

SBS050

High Voltage LFP Battery



HIGH-PERFORMANCE

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



FLEXIBILITY

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



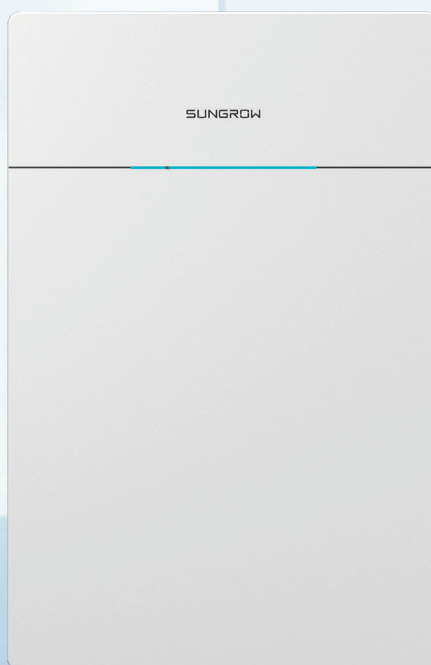
SAFETY

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



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	
Energy (useable)*	4.9 kWh	
Nominal voltage	102.4 V	
Operating voltage	86.4 V - 116.8 V	
Rated charging / discharging current: continuous	50 A (charging) / 50 A (discharging)	
Max. charging/discharging current	50 A (charging) / 50 A (discharging)	
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 °C - 55 °C Discharge: -20 °C - 55 °C	
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	

* Test conditions: 25 °C , 100% depth of discharge (DOD), 0.2C charge&discharge