

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



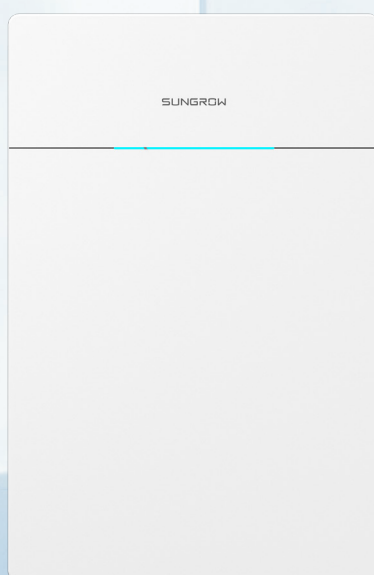
SAFETY

- 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
Nominal voltage		102.4 V
Operating voltage		86.4 V - 116.8 V
Recommended charging/discharging current: continuous		30 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), charge and discharge at 0.2 C