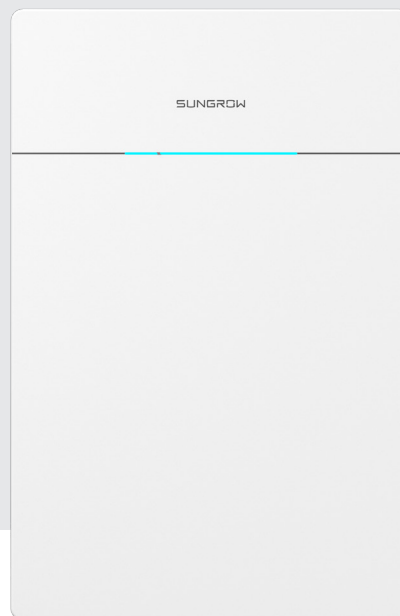


SBS050

High Voltage LFP Battery

Preliminary



HIGH-PERFORMANCE

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



SAFETY

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



FLEXIBILITY

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



EASY INSTALLATION

- Slim design with a depth of only 182mm
- 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)
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 - 50 °C
Degree of protection	IP55
Allowable relative humidity range	0 % - 95 % no condensing
Max. operating altitude	Max. 2000 m
Cooling method	Natural convection
Certificates	UN 38.3, IEC 62619