

ALL IN ONE STORAGE SYSTEM



 Hybrid inverter optional, 4.6kW/5kW/6kW.

 Unique BMS technology makes the system more reliable

 Fashion appearance, light weight, smart operation.

 Expandable battery capacity up to 10kWh
Battery cabinets parallel up to 80kWh

 IP 20, modular design, easy installation.

 Intelligent residential energy management system.

▶ APPLICATION SCENARIOS



Villa



Telecom base station



Household



Island cottage



Hangar



Toolshed

► TECHNICAL SPECIFICATIONS

Inverter Model	SNH5000-2
Output (Grid)	
Nominal AC output power (W)	5000
Max. AC output apparent power (VA)	5500
Max. AC output power (PF=1) (W)	5500
Max. AC output current (A)	25
Rated AC voltage (V)	220
Rated grid frequency (Hz)	50/60
THDI	<3%
Output (Back up)	
Nominal output voltage (V)	230
Nominal output frequency (Hz)	50/60
Nominal output power (W)	5000
Nominal output current (A)	21.7
Transfer time (ms)	10(typ) / 20(max)
THDV	<3% @100% R Load
Input (PV)	
MAX PV Power (W)	9000
Max PV voltage (V)	550
Max input current (input A/input B) (A)	15/15
Max short current (input A/input B) (A)	20/20
Start operating voltage (V)	90
MPPT voltage range @full load (V)	200-480
No. of MPPT trackers	2
String per MPP tracker	1
Input (BAT)	
Compatible battery type	Lithium-ion/Lead-acid
Nominal battery voltage (V)	48
Battery voltage range (V)	40-60
Max. charge/discharge current (A)	120/120
Max. charge/discharge power (W)	5000/5000
Lithium battery charge curve	Self-adaption to BMS
Efficiency	
Max. efficiency (PV to AC)	97.3%
Max. efficiency (BAT to AC)	94%
Battery Model	
STP51V100	
Cell type	LFP
Energy	5.12kWh @0.2C, 25°C
Capacity	100Ah @0.2C, 25°C
Nominal Voltage	51.2V
Charge Voltage	57.6V
Standard Charge Current	20A @25°C
Max. Continuous Charge Current	100A @25°C
Standard Discharge Current	20A @25°C
Max. Continuous Discharge Current	100A @25°C
Discharge Cut-off Voltage	43.2V
Max. parallel	16 units
Cycle Life	≥6000 cycles @80%DOD
Operating temperature	Charge: 0~+60°C Discharge: -20~+60°C
Cover	
Mounting type	Wall mounted
Dimension	1600*545*205mm
Weight	25kg
Protection class	Ip20
General Data	
Max. operation altitude (m)	4000m (derating over 2000m)
Noise emission (dB)	<35 (dB)
Relative humidity (%)	0~95 %
Cooling concept	Natural Cooling
Display	LED+APP
Communication	CAN

Please refer to inverter and battery specifications for more details.