



SHF 6K-S

Solar storage inverter

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Dual MPPT up to 18A+18A for high power PV module

Safety

- 360 degrees of security from hardware to software
- IEC safety approvals

All in one

- Up to 100A hybrid charging current

Reliable

- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	SHF 6K-S	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	6,200W	
Max.Peak Power	12,400VA	
Rated Output Voltage	230Vac (L/N/PE single-phase)	✓
Load Capacity of Motors	5HP	
Rated AC Frequency	50/60Hz	✓
Waveform	Pure sine wave	
Switch Time	10ms (typical)	
Parallel Capacity	1-6 units (single/three phase)	
BATTERY		
Battery Type	Li-ion / Lead-acid / User-define	✓
Rated Battery Voltage	48Vdc (Minimum starting voltage 44V)	
Voltage Range	40 ~ 58Vdc	✓
PV charging current range	0 ~ 100A	✓
AC charging current range	0 ~ 80A	✓
Max.Hybrid Charging Current	100A	✓
PV INPUT		
Num. of MPPT	2	
Max.PV array power	4,500W+4,500W	
Max.input current	18A+18A	
Max.Voltage of Open Circuit	550Vdc+550Vdc	
MPPT Voltage Range	120 ~ 480Vdc	
MAINS / GENERATOR INPUT		
Input Voltage Range	(170Vac~280Vac) ±2% / (90Vac~280Vac) ±2%	✓
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
EFFICIENCY		
MPPT Tracking Efficiency	>95%	
Max. Battery Inverter Efficiency	>92%	
GENERAL		
Dimensions	510*350*133mm (1.47*1.15*0.44ft)	
Weight	12.45kg (28.66lb)	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	24 months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi	✓
CERTIFICATION		
EN 62109-1, EN 62109-2, NRS097-2-1, EN IEC61000-6-3		