



HSI 5000U

Solar storage inverter

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

All in one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

User-Friendly

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

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating

Application scenario

House

Farm

Telecom

Countryside

Island

Pasture

INVERTER OUTPUT

Rated Output Power	5,000W	
Max. Peak Power	11,000VA	
Rated Output Voltage	120Vac	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	

BATTERY

Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	48V	
Voltage Range	40~60Vdc	✓
Max. MPPT Charging Current	80A	✓
Max. Mains/Generator Charging Current	40A	✓
Max. Hybrid Charging Current	80A	✓

PV INPUT

Num. of MPPT Trackers	1	
Max.PV Array Power	6,000W	
Max.Input Current	22A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120-450Vdc	

UTILITY/ GENERATOR INPUT

Input Voltage Range	90~140Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	63A	

EFFICIENCY

MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	

GENERAL

Dimensions	426*322*126mm (1.40*1.06*0.41ft)	
Weight	11.6kg (25.57lb)	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 Months	

COMMUNICATION

Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓

CERTIFICATION

Safety	CE(IEC 62109-1)/CETL(UL1741 C22.2 NO.107.1)/FCC/SAA	
EMC	EN61000	
RoHS	Yes	