

HSI 3000UH

Solar storage inverter

Efficiency

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

Reliable

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

Safety

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

User-Friendly

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

All in one

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

Intelligent

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

Application scenario

House | Farm | Telecom | Countryside | Island | Pasture

MODEL	HSI 3000UH	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	3,000W	
Max. Peak Power	6,000VA	
Rated Output Voltage	120Vac（single-phase)	✓
Load Capacity of Motors	2HP	
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	24V	
Voltage Range	20～33Vdc	✓
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	4,000W	
Max.Input Current	13A	
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	40A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	378*280*103mm (1.24*0.91*0.33ft)	
Weight	8kg (17.6lb)	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10℃~55℃	
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)/PSR	
EMC	EN61000	
RoHS	Yes	