



# HSI24 series

## Solar storage inverter

### Efficient

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

### 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

### Intelligent

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

#### Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

## Product parameters

MODEL	HSI 3000S		HSI 3000U	Can Be Set
INVERTER OUTPUT				
Rated Output Power	3,000W			
Max.Peak Power	6,000VA			
Rated Output Voltage	230Vac	120Vac (L/N/PE 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	24Vdc			
Voltage Range	20 ~ 33Vdc			✓
Max.MPPT Charging Current	60A			✓
Max.Mains/Generator Charging Current	80A	40A		✓
Max.Hybrid Charging Current	140A	100A		✓
PV INPUT				
Num. of MPPT Trackers	1			
Max.PV Array Power	1,600W			
Max.Input Current	40A			
Max.Voltage of Open Circuit	108Vdc			
MPPT Voltage Range	30~90Vdc			
MAINS/GENERATOR INPUT				
Input Voltage Range	UPS mode: 170 ~ 280Vac; APL mode: 90 ~ 280Vac	90 ~ 140Vac		✓
Frequency Range	50/60Hz			
Bypass Overload Current	30A	40A		
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Battery Inverter Efficiency	92%			
GENERAL				
Dimension	378*280*103mm (1.24*0.92*0.34ft)			
Weight	6.8kg (14.99lb)			
Protection Degree	IP20, only indoor			
Operating Temperature Range	-10°C~55°C (14°F~131°F)			
Noise	≤60dB			
Cooling Method	Forced air cooling with adjustable air speed			
COMMUNICATION				
Embedded Interfaces	RS485 / USB / Dry contact			✓
External Modules (Optional)	Wi-Fi / GPRS			✓
CERTIFICATION				
Safety	CE(IEC 62109-1)	CE(IEC 62109-1) / CETL(UL 1741 CSA C22.2 NO.107.1)		
EMC	EN61000, C2			
RoHS	Yes			