

HSI 5000AP

All-in-one solar charge 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
- Supports a maximum of 6 units in parallel

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

HSI



House



Farm



Telecom



Countryside



Island



Pasture

Application scenario



Product Parameters

Model	HSI 5000AP
Inverter Output	
Rated Output Power	5,000W
Max. Peak Power	10,000VA
Rated Output Voltage	230Vac (L/N/PE single phase)
Load Capacity Of Motors	4HP
Rated AC Frequency	50Hz/60Hz \pm 0.3Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
Battery	
Battery Type	Lead-acid or lithium batteries
Rated Battery Voltage	48V
Voltage Range	40~58Vdc
Max. Grid/generator Charging Current	80A
Max. Hybrid Charging Current	100A
PV Input	
Num. Of MPPT Trackers	1
Max. PV Array Power	7,500W
Max. Input Current	30A
Max. Voltage Of Open Circuit	500Vdc
Mppt Voltage Range	60~450Vdc
Utility /generator Input	
Input Voltage Range	90Vac~280Vac (\pm 2%)
Frequency Range	50Hz/60Hz(auto-detect)
Bypass Overload Current	40A
General	
Dimensions	359.5*290.2*133mm
Weight	8.5kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-15°C ~ 55°C, >45°C derate
Noise	\leq 60dB
Cooling Method	Forced air cooling with adjustable air speed
Warranty	1.5 Years
Communication	
Embedded Interfaces	RS485 / USB / Wi-Fi / Dry contact