



# HSI 5500

## 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

MODEL	HSI 5500	CAN BE SET
<b>INVERTER</b>		
Rated Output Power	5,500W	
Max.Peak Power	11,000VA	
Rated Output Voltage	230Vac (L/N/PE single phase)	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
<b>BATTERY</b>		
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	48V	
Voltage Range	40~60Vdc	✓
Max.MPPT Charging Current	100A	✓
Max.Mains/Generator Charging Current	60A	✓
Max.Hybrid Charging Current	100A	✓
<b>PV INPUT</b>		
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	
<b>UTILITY/ GENERATOR INPUT</b>		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
<b>EFFICIENCY</b>		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
<b>GENERAL</b>		
Dimensions	426*322*126mm (1.40*1.06*0.41ft)	
Weight	10.5kg (23.15lb)	
Protection Degree	IP20, Indor Only	
Operating Temperature Range	-10°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	1.5 Years	
<b>COMMUNICATION</b>		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
<b>CERTIFICATION</b>		
Safety	CE(IEC 62109-1)/FCC/SAA/CETL(UL1741 C22.2 NO.107.1)	
EMC	EN61000	
RoHS	Yes	



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