



HSI 5500

Solar storage inverter

Performance characteristics

○ 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.

Parameters

Model	HSI 5500	Adjustable
Inverter		
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)	
Battery		
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	√
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	UPS mode:170~280Vac; APL mode:90~280Vac	√
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
Efficiency		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
General		
Dimensions	426*322*126mm(1.40*1.06*0.41ft)	
Weight	10.5kg (23.15lb)	
Protection Degree	IP20, Indor Only	
Operating Temperature Range	-10℃~55℃	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	1.5 Years	
Communication		
Embedded Interfaces	RS485 /USB /Dry contact	√
External Modules(Optional)	Wi-Fi /GPRS	√
Certification		
Safety	CE(IEC 62109-1)/FCC/SAA/CETL(UL1741 C22.2 NO.107.1)	
EMC	EN61000	
RoHS	Yes	