



Features

- ▶ Pure sine wave inverter
- ▶ Cold start function
- ▶ Auto restart while AC is recovering
- ▶ Overload and short circuit protection
- ▶ Optional remote panel available
- ▶ Selectable charging current based on applications
- ▶ Configurable AC/Solar input priority via LCD setting
- ▶ Compatible to main voltage or generator power
- ▶ Smart battery charger design for optimized battery performance
- ▶ Parallel operation with up to 6 units only available for 4KVA/5KVA
- ▶ Selectable input voltage range for home appliances and personal computers

Applications

- ▶ Photovoltaic
- ▶ Solar / Wind Energy
- ▶ Telecommunications
- ▶ Electric Utility
- ▶ Power Plant

Solar Power Grid-Tie Inverter 1K-5K



Model	HSI-101K	HSI-102K	HSI-103K	HSI-104K	HSI-105K
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
Input					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computer)				
	90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
Output					
AC Voltage Regulation (Battery Mode)	230VAC \pm 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%	93%	93%	93%	93%
Transfer Time	10ms (For Personal Computer)				
	20ms (For Home Appliances)				
Waveform	Pure sine wave				
Battery					
Battery Voltage	12 VDC	24 VDC	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	54 DCV	54 DCV
Overcharge Protection	15.5 VDC	31 VDC	31 VDC	60 VDC	60 VDC
Solar Charger & AC Charger					
Maximum PV Array Open Circuit Voltage	50 VDC	60 VDC	60 VDC	105 VDC	105 VDC
Standby Power Consumption	1W	2W	2W	2W	2W
Maximum Solar Charge Current	50A				
Maximum AC Charge Current	20A				
Maximum Charge Current	50A				
Physical					
Dimension, D*W*H(mm)	95x240x316	100x272x355	100x272x355	120x295x468	120x295x468
Net Weight (kgs)	5.0	6.4	6.9	9.8	9.8
Operating Environment					
Humidity	5% to 95% Relative Humidity				
Operating Temperature	0°C to 55°C				
Storage Temperature	-15°C to 60°C				

STANDARD: safety: IEC60950-1-1/ IEC62040-1-1/ AS62040-1-1,
EMC: IEC62040-2/ AS62040-2/ EN50091-2 CLASS,
Design and test: IEC62040-3/ AS62040-3