



Product features

- Up to 6 units in parallel for 5500P model
- Support remote monitoring
- Up to 99.9% MPPT tracking efficiency
- Support Li-ion battery BMS communication and BMS dual activation
- Max. PV charging current up to 100A
- With 360° protection
- Simple to install and easy to use

MODEL	SS-HSI 5500P
INVERTER OUTPUT	
Rated Output Power	5,500W
Max. Peak Power	11,000VA
Rated Output Voltage	230Vac, single-phase / three-phase(3 units in parallel)
Load Capacity of Motors	4HP
Rated AC Frequency	50Hz/60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
Num. of Parallel	1-6 units
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
GENERAL	
Dimensions	426*322*124mm
Weight	10.5kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-10°C~55°C
Noise	≤60dB
Cooling Method	Forced air cooling with adjustable air speed
Warranty	18 months
COMMUNICATION	
Embedded Interfaces	RS485 / USB / Dry contact
External Modules (optional)	Wi-Fi / GPRS

Product Parameters

MODEL	SS-HSI 5500	SS-HSI 5000U
INVERTER OUTPUT		
Rated Output Power	5,500W	5,000W
Max. Peak Power	11,000VA	10,000VA
Rated Output Voltage	230Vac, single-phase	120Vac, 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	80A
Max. Mains/Generator Charging Current	60A	40A
Max. Hybrid Charging Current	100A	80A
PV INPUT		
Num. of MPPT Trackers	1	
Max. PV Array Power	6,000W	5,000W
Max. Input Current	22A	18A
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	90~140Vac
Frequency Range	50/60Hz	
Bypass Overload Current	40A	63A
GENERAL		
Dimensions	426*322*126mm	
Weight	10.5kg	11.6kg
Protection Degree	IP20, indoor only	
Operating Temperature Range	-10°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	
External Modules (optional)	Wi-Fi / GPRS	

Product Parameters

MODEL	SS-HSI 3500
INVERTER OUTPUT	
Rated Output Power	3,500W
Max. Peak Power	6,000VA
Rated Output Voltage	230Vac, 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	24V
Voltage Range	20~33Vdc
Max. MPPT Charging Current	80A
Max. Mains/Generator Charging Current	80A
Max. Hybrid Charging Current	80A
PV INPUT	
Num. of MPPT Trackers	1
Max. PV Array Power	4,000W
Max. Input Current	13A
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	30A
GENERAL	
Dimensions	378*280*103mm
Weight	7.4kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-10°C~55°C
Noise	≤60dB
Cooling Method	Forced air cooling with adjustable air speed
Warranty	18 months
COMMUNICATION	
Embedded Interfaces	RS485 / CAN / USB / Dry contact
External Modules (optional)	Wi-Fi / GPRS

Product Parameters

MODEL	SS-HSI 3000S	SS-HSI 3000U
INVERTER OUTPUT		
Rated Output Power	3,000W	
Max. Peak Power	6,000VA	
Rated Output Voltage	230Vac, single-phase	120Vac, single-phase
Load Capacity of Motors	2HP	2HP
Rated AC Frequency	50Hz/60Hz	50Hz/60Hz
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
BATTERY		
Battery Type	Lead-acid / Li-ion / User defined	
Rated Battery Voltage	24V	
Voltage Range	20~33Vdc	
Max. MPPT Charging Current	60A	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	1,400W	
Max. Input Current	40A	
Max. Voltage of Open Circuit	108Vdc	108Vdc
MPPT Voltage Range	30~85Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	90~140Vac
Frequency Range	50/60Hz	
Bypass Overload Current	30A	40A
GENERAL		
Dimensions	378*280*103mm	
Weight	6.2kg	6.8kg
Protection Degree	IP20, indoor only	
Operating Temperature Range	-15°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	
External Modules (optional)	Wi-Fi / GPRS	

Product Parameters

MODEL	SS-HSI 3000R
INVERTER OUTPUT	
Rated Output Power	3,300W
Max. Peak Power	6,000VA
Rated Output Voltage	230Vac, 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	48V
Voltage Range	40~60Vdc
Max. MPPT Charging Current	60A
Max. Mains/Generator Charging Current	60A
Max. Hybrid Charging Current	120A
PV INPUT	
Num. of MPPT Trackers	1
Max. PV Array Power	3,400W
Max. Input Current	40A
Max. Voltage of Open Circuit	145Vdc
MPPT Voltage Range	60~115Vdc
UTILITY / GENERATOR INPUT	
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac
Frequency Range	50/60Hz
Bypass Overload Current	30A
GENERAL	
Dimensions	378*280*103mm
Weight	6.2kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-15°C~55°C
Noise	≤60dB
Cooling Method	Forced air cooling with adjustable air speed
Warranty	18 months
COMMUNICATION	
Embedded Interfaces	RS485 / USB / Dry contact
External Modules (optional)	Wi-Fi / GPRS