

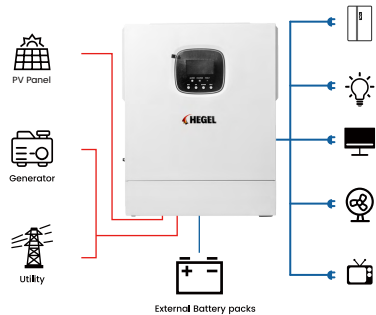
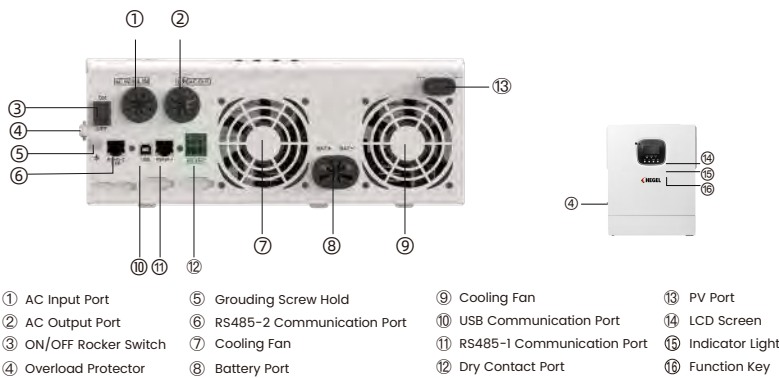
5,5kW Off Grid Hybrid Inverter

HSI 5500



Product Features

- Power saving function
- LCD screen and LED indicator lights
- High PV input voltage
- Approved CE-LVD, CE-EMC certifications
- Multiple safety protection
- Grid power bypass and inverter output modes
- Pure sine wave AC output
- Support grid and PV activated lithium batteries
- Uninterrupted power supply
- Support lead-acid and lithium battery connections
- Intelligent speed control fans



Technical Data	
Model	HSI 5500
AC Charge	
Battery Type	Lithium-ion/Lead-acid/User Define
Max. AC Charge Current (A)	60
Charge Voltage Range (Vdc)	40~60
Short Circuit Protection	Circuit breaker and blown fuse
Circuit Breaker Specifications (A)	40
Solar Charge	
Max. PV Open Circuit Voltage (Vdc)	500
MPPT Voltage Range (Vdc)	120~450
Battery Voltage Range (Vdc)	40~60
Max. PV Input Power (W)	5200
Max. PV Input Current (A)	18
Max. PV Charge Current (A)	80
Max. Hybrid Charge Current (A)	80
Charge Short Circuit Protection	Blown fuse
Wiring Protection	Inverse wiring protection
AC Input	
Rated Input Voltage (Vac)	220/230
Input Voltage Range (Vac)	UPS: (170~280) ±2%, APL: (90~280)±2%
Frequency (Hz)	50/60 (Auto sensing)
Frequency Range (Hz)	47±0.3~55±0.3 (50)/57±0.3~65±0.3 (60)
Overload/short Circuit Protection	Breaker
Efficiency	>95%
Conversion Time (bypass and inverter)	10ms (Typical value)
AC Reverse Protection	yes
Max. Bypass Overload Current (A)	40
AC Output	
Output Voltage Waveform	Pure sine wave
Rated Output Power (W)	5000(4350/4500/4750/5000)
Power Factor	1
Rated Output Voltage (Vac)	230(200/208/220/240 settable)
Output Voltage Error	±5%
Output Frequency Range (Hz)	50±0.3/60±0.3
Max. Efficiency	>92%
Overload Protection	(102% < load < 125%) ±10%: report error and turn off the output after 5 minutes (125% < load < 150%) ± 10%: report error and turn off the output after 10 seconds Load >150% ±10%: report error and turn off the output after 5 seconds
Peak Power (VA)	10000
Loaded Motor Capacity (HP)	4
Output Short Circuit Protection	Breaker
Bypass Breaker Specifications (A)	40
Rated Battery Input Voltage (Vdc)	48 (Min. starting voltage 44)
Battery Voltage Range (Vdc)	40.0~60±0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery settable on LCD screen)
No Load Loss (W)	Non Energy-saving Mode: ≤50W, Energy-saving Mode: ≤25W
General	
Certification	IEC62109, EN61000
Operation Temperature Range (°C)	-15~55
Storage Temperature Range (°C)	-25~60
Humidity Range	5%~95% (Conformal coating protection)
Noise (dB)	≤60
Heat Dissipation	Forced air cooling, variable speed of fan
Communication Interface	USB/RS485/dry node control
Size (mm)	426L×322W×126D
Weight (kg)	10.9