

Solar Hybrid Inverter

HSI Series

Features:

Stable & Durable

- latest toroidal transformer could handle triple surge power.
- Inbuilt AVR stabilizer for stable output

High efficiency

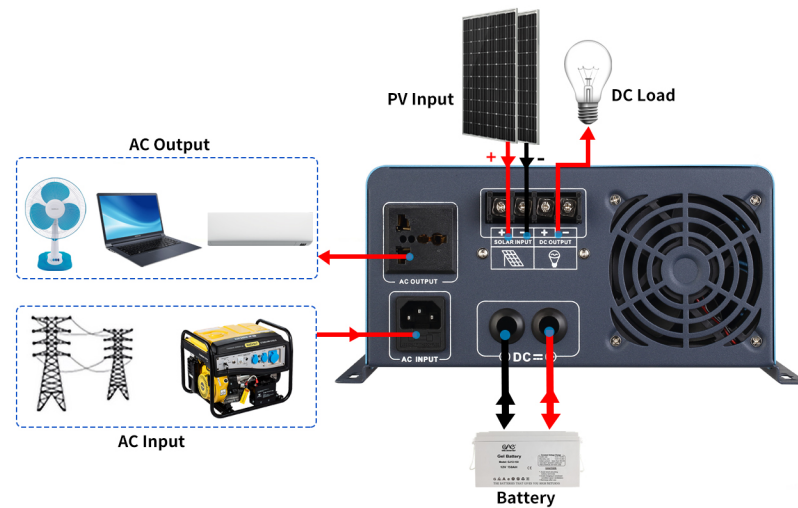
- Inverter transfer efficiency up to 85%

Charger

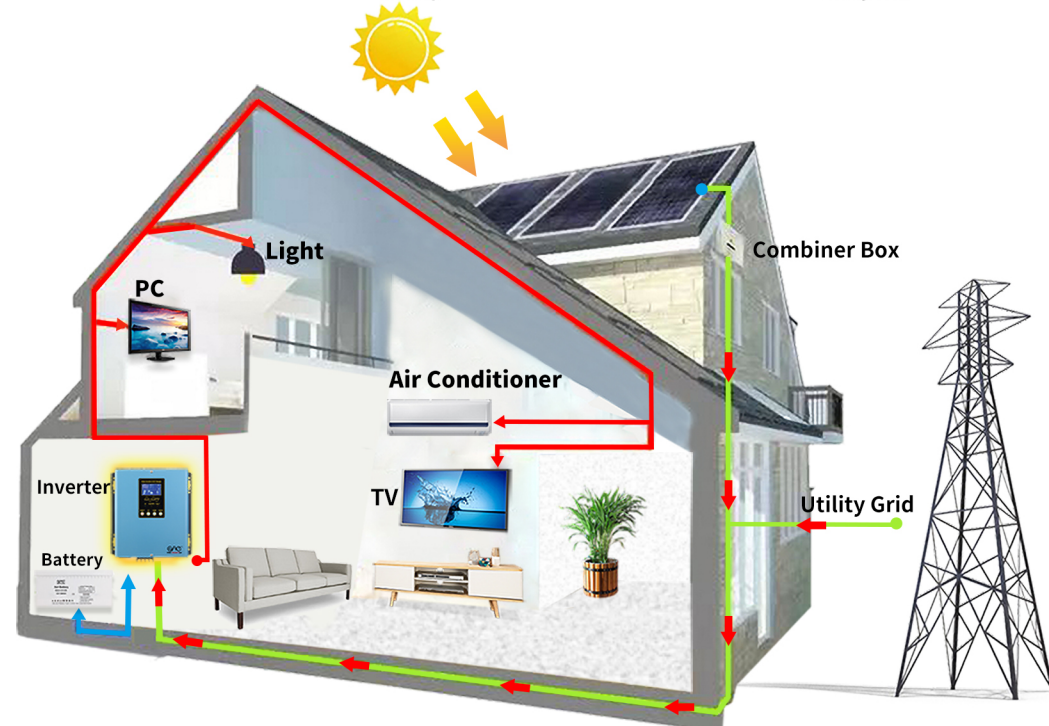
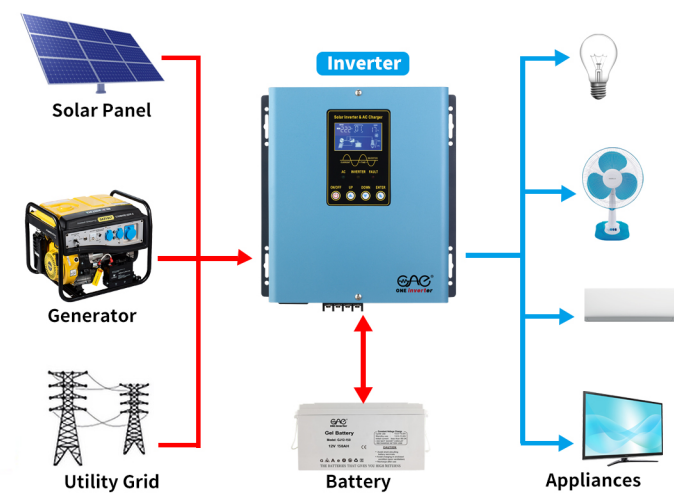
- Inbuilt 15A AC charger
- Inbuilt 20A/30A PWM solar charger



Connection



Diagram



3D Visual

Solar Hybrid Inverter

Model	HSI-102	HSI-122
Rated power	1000W	1200W
Surge power	3000W	3600W

AC Input & Output

Voltage	220VAC
Selectable Voltage Range	165-275VAC (220VAC)
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation	(DC Batt.mode)220vac±3%
Transfer Time	≤8ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≥85%

Battery

Battery Voltage	12V/24V
Type	Gel/SLA/AGM/Water battery
DC Charge Voltage	13.8VDC(12V)/27.6VDC(24V)
Overcharge Protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V), stop charging after 60s alarm

Solar Charge & Ac Charger

Type	PWM Solar Charger Controller
Maximum PV Array Open Circuit Voltage	Max. 30V(12V) / 50V (24V)
Maximum PV Array Power	450W(12V)/900W(24V)
Maximum AC Charge Current	15A
Maximum Solar Charge Current	30A PWM
Maximum Charging Current	45A

Working mode

01 mode	AC mains priority
02 mode	ECO mode
03 mode	DC battery priority

Packing Details

Dimension, D*W*H(MM)	360*330*215	
G.W.(KGS)	10	10

Environment

Humidity	0~95% (NO CONDESNSATION)
Operating Temperature	0~60°C
Storage Temperature	0~60°C

*Product Specifications Are Subject To Change Without Further Notice