

Solar Hybrid Inverter

HSI PLUS Series



Features:

Intelligent Control

- Five smart control mode, auto switch for different demand
- RS485 communicational portal, for app & external screen control

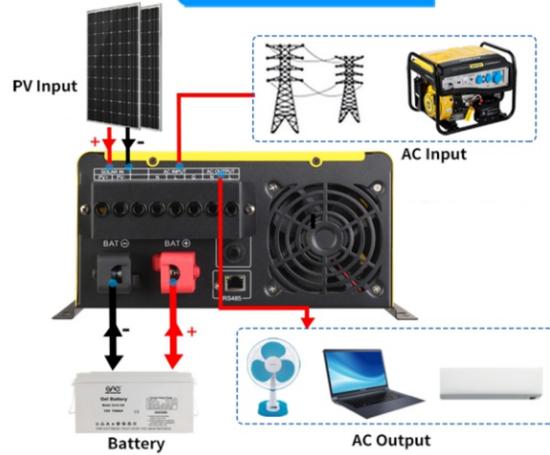
High efficiency

- Inverter transfer efficiency up to 85%
- Inbuilt MPPT efficiency more than 99%

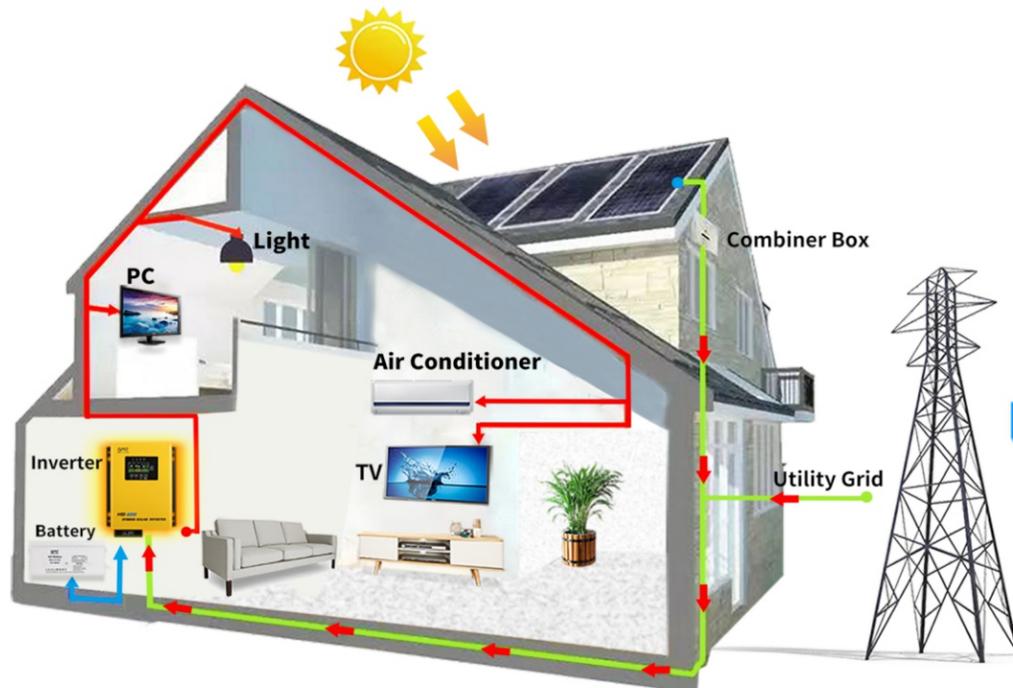
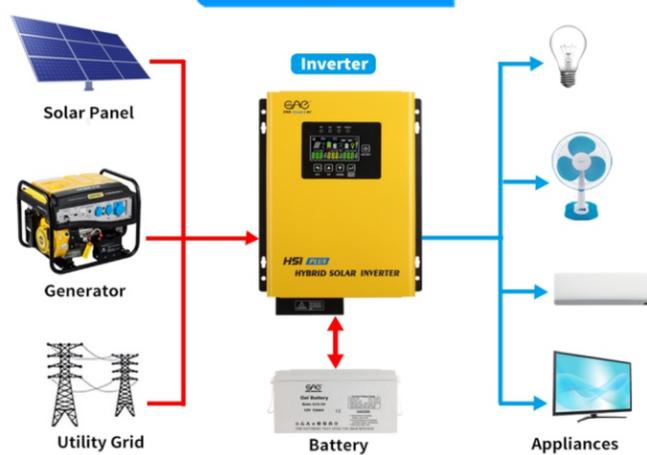
Charger

- Inbuilt 15A AC charger
- Inbuilt 30A/40A MPPT solar charger
- Can use with Lithium battery, Lifepo4 battery

Connection



Diagram



3D Visual

Solar Hybrid Inverter

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

AC Input & Output

Voltage	220VAC
Selectable Voltage Range	165-275VAC
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation	(DC Batt.mode)220vac±3%
Transfer Time	≤5ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≥85%

Battery

Battery Voltage	12V/24V
Type	Gel/SLA/AGM/Water/Lithium(lifepo4) Battery
DC Charge Voltage	12~16VDC(12V)/24~32VDC(24V)
Overcharge Protection	Battery voltage ≥ 16VDC (12V) ≥ 32VDC (24V), stop charging after 60s alarm

Solar Charge & AC Charger

Type	MPPT Solar Charger Controller	
Maximum PV Array Open Circuit Voltage	Max. 100V	
Maximum PV Array Power	450W(12V)/900W(24V)	600W(12V)/1200W(24V)
Maximum AC Charge Current	15A	
Maximum Solar Charge Current	30A MPPT	40A MPPT
Maximum Charging Current	45A	55A

Working mode

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

Communication Port

Type	RS485, available for wifi box & external control screen
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Packing Details

Dimension, D*W*H(MM)	460*340*210	
G.W.(KGS)	10.5	11

Environment

Humidity	0~95% (NO CONDESNSATION)	
Operating Temperature	0~55°C	
Storage Temperature	0~55°C	

*Product Specifications Are Subject To Change Without Further Notice