

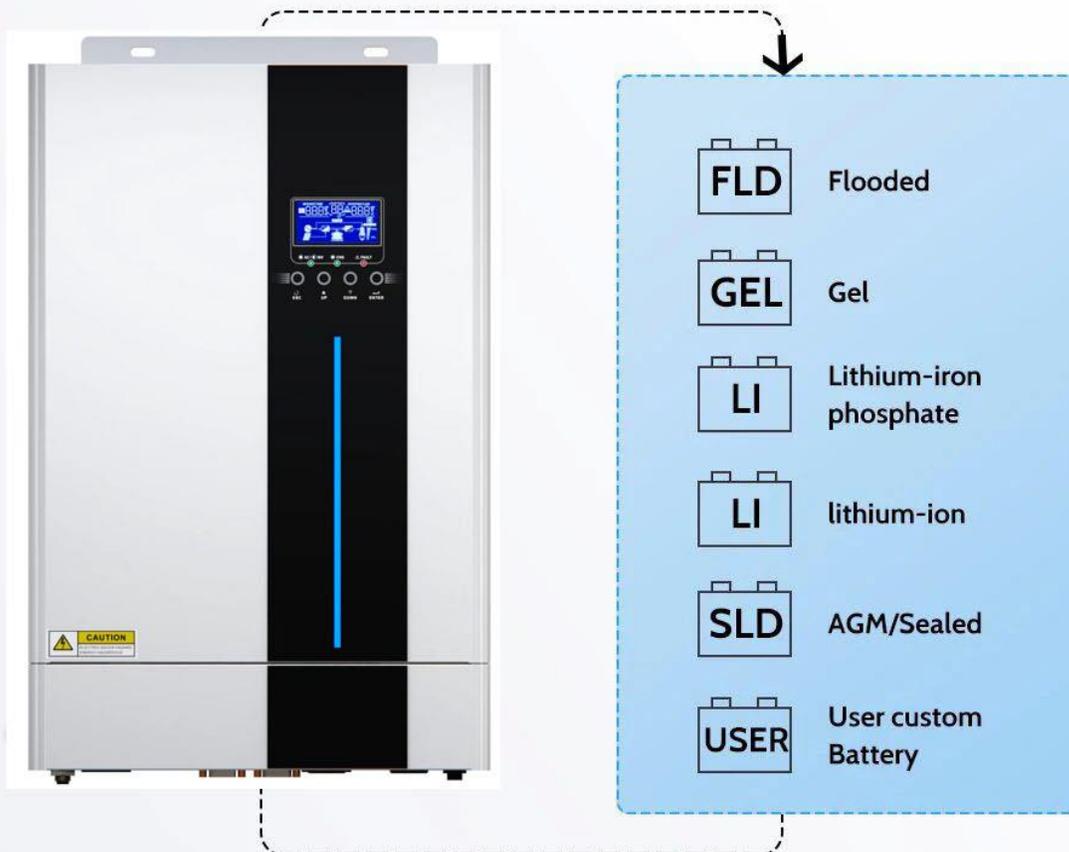
»» Product Data Sheet



MODEL	HGP 3500W	HGP 5500W
Rated Power	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC±5%	
Surge Power	7000VA	11000VA
Efficiency(Peak) PV to INV	97%	
Efficiency(Peak) BAT to INV	94%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)	
Wave Form	Pure Sine Wave	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum Charge Current	80A	80A
SOLAR CHARGER		
MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-500VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	110A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension.D*W*H(mm)	472*297*129	
Net Weight (kgs)	10kg	10.7kg
Communication Interface	RS485/RS232(Standard) LCD remote/WIFI(Optional)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	



Compatible with Multiple Type of battery

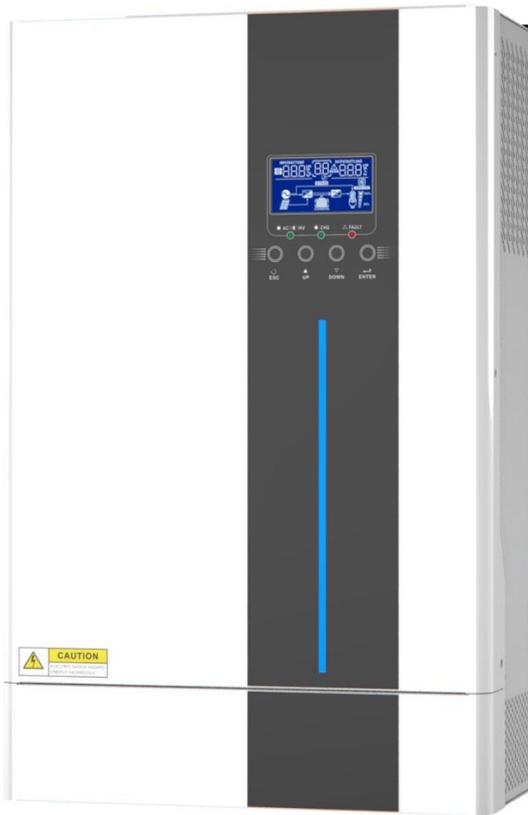


Recommended battery cable and terminal size:

Model	Typical Amperage	Battery Capacity	Wire Size	Ring Terminal			Torque Value
				Cable mm ²	Dimensions		
					D (mm)	L (mm)	
3.5KW 24V	145A	100AH	1*3AWG	22	6.4	33.2	2~ 3 Nm
		200AH	2*6AWG	14	6.4	29.2	
5.5 KW 48V	115A	200AH	1*4AWG	22	6.4	33.2	2~ 3 Nm
			2*8AWG	14	6.4	29.2	

Product Overview





INVERTER CHARGER

Model Name: HGP 5500W

Color: Green and Black

Operating Temperature Range: 0~55°C



S/N: 9403202304020001

Inverter Mode:

Rated Power: 5500VA/5500W

DC Input: 48VDC, 127A

AC Output: 230VAC, 50/60Hz, 23.9A, 1Φ

AC Charger Mode:

AC Input: 230VAC, 50/60Hz, 38.5A, 1Φ

DC Output: 54VDC,

Max. 80A, Default 30A

AC Output: 230VAC, 50/60Hz, 23.9A, 1Φ

Solar Charger Mode:

Rated Power: 6000W

Max charger: 110A

Nominal operating voltage: 240VDC

Max. Solar Voltage (VOC): 500VDC

MPPT Voltage range: 120 ~ 450VDC

Ingress Protection: IP21

Protective class: class I



MADE IN CHINA

Product Overview



LED Indicator

LED Indicator		Messages	
☀ AC / ☀ INV	Green	Solid On	Output is powered by utility in Line mode.
		Flashing	Output is powered by battery or PV in battery mode.
☀ CHG	Green	Solid On	Battery is fully charged.
		Flashing	Battery is charging.
⚠ FAULT	Red	Solid On	Fault occurs in the inverter.
		Flashing	Warning condition occurs in the inverter.

Function Keys

Function Key	Description
ESC	To exit setting mode
UP	To go to previous selection
DOWN	To go to next selection
ENTER	To confirm the selection in setting mode or enter setting mode



**Pure Sine
Wave Inverter**



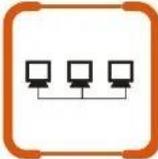
**Charging Current
110A MPPT**



**NO Need
Battery**



**Wide PV
Voltage
(120-500VCD)**



**Parallel Model
(Optional)**



**Remote LCD
Display (Optional)**



BMS

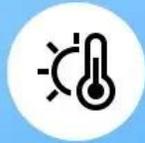


WIFI

**This inverter can power all kinds of appliances
in home or office environment**



Overload
Protection



Overheating
Protection



High Low Voltage
protection



Battery
Protection



Short Circuit
Protection



Overcurrent
Protection



Anti Reverse
protection



Power Failure
Protection

Comprehensive protections
