

INVERTER

GPHi5.5KW#48VPVNT

**High frequency inverter
5.5KW**

Features:

- Accept extra high PV input current and power.
- Optional Dual output.
- Output power factor PF=1
- lithium battery activation start function with ac and solar mode
- Parallel function to expansion power
- Higher solar charging efficiency and battery protection
- Pure sine wave output, adaptable to different loads
- 500V high PV input
- Optional WIFI function
- Working with or without battery



Technical Specifications

Model		GPHi5.5KW#48VPVNT
Input	Phase	L+N+PE
	Nominal Voltage	208/220/230/240VAC
	Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
	Frequency Range	50Hz/60Hz(Adaptive)
Output	Rated Power	5500W
	Output Voltage(AC)	208/220/230/240VAC±5%
	On / Off grid	YES
	Output Frequency	50/60Hz±0.1%
	Dual Output	YES
	Waveform	Pure sine wave
	Transfer Time(Optional)	10ms for computer , 20ms for home appliances
	Peak power	11000VA
	Overload	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200% Load.
Grid feed	Peak efficiency (battery mode)	>94%
	Output Voltage(AC)	220/230/240VAC
	Grid voltage	170-265VAC
	Grid frequency	49-51±1Hz/59-61±1Hz
	Output Current	23.9A
	Power factor	>0.99
Battery	Transfer efficiency(DC/AC)	98%
	Rated voltage	48Vdc
	Constant voltage charging voltage (Optional)	56.4Vdc
charger	Floating charge voltage (Optional)	54Vdc
	PV charging method	MPPT
	PV Input current	27A
	PV max input power	7500W
	MPPT tracking range	60~500Vdc
	Max PV input voltage	500Vdc
	Max PV charging current	120A
Max AC charging current	100A	
Display	Max charging current	120A
	LCD display	Operating mode/load/input/output, etc.
Communication port	RS232	5PIN/Pitch2.0mm, baud rate 2400
	Expansion & configuration port	2×5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.
	BMS protocol	Pylon tech, Pace, Voltronic, Growatt, Deye, Leoch, Sofar, Goodwe, etc.
	Parallel interface	YES
Environmental parameters	Operating environment temperature	-10~55°C
	Operating environment humidity	20%~95% (Non condensing)
	Storage temperature	-15~60°C
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040
	noise	≤50db