

INVERTER

GPHi5.5KW#48VPVT

Features:

- Higher solar charging efficiency and battery protection
- Output power factor PF=1
- lithium battery activation start function with ac and solar mode
- Parallel operation up to 9 units
- High frequency inverter, lighter weight with higher efficiency
- Pure sine wave output, adaptable to different loads
- Optional WIFI function
- Working with or without battery
- On/off grid hybrid inverter
- 500V high PV input

5.5KW Hybrid Inverter



Technical Specifications

Model		GPHi5.5KW#48VPVT
Input	Phase	L+N+PE
	Nominal Voltage	208/220/230/240VAC
	Voltage Range	90-280VAC±3V (APL Mode) 170-280VAC±3V (UPS Mode)
	Frequency Range	50Hz/60Hz(Adaptive)
Output	Rated Power	5500W
	Output Voltage(AC)	208/220/230/240VAC±5%
	Output Frequency	50/60Hz±0.1%
	Waveform	Pure sine wave
	Transfer Time(Optional)	10ms for computer , 20ms for home appliances
	Peak power	11000VA
	Overload	Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load
	Peak efficiency (battery mode)	>94%
charger	PV max input power	5500W
	MPPT tracking range	120~500Vdc
	Max PV input voltage	500Vdc
	Max PV charging current	100A
	Max AC charging current	60A
	Max charging current	100A
Battery	Rated voltage	48Vdc
	Constant voltage charging voltage (Optional)	56.4Vdc
	Floating charge voltage (Optional)	54Vdc
Display	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.
	Parallel interface	Optional
	Operating environment temperature	0~40°C
Environmental parameters	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