GPS Solar Inverter

Features:

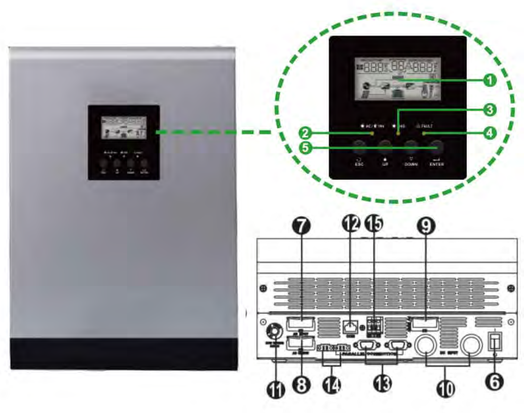
- Pure sine wave inverter
- Built-in PWM solar charge controller
- Selectable input voltage range and frequency according to city power in your country
- Charging current Is selectable according to your battery type
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart charging system optimizes battery performance
- Cold start function
- Parallel operation with up to 6 units (only available for 4K/5K)

Introduction:

Equipped with PWM solar charge controller to maximize and regulate DC power from the solar array for the charging the battery bank. Transformer-less design provides reliable power conversion in compact size and with high efficiency. With aluminum housing, integrated interface system, it's light and handy, making installation easier. It's the ideal inverters for small PV plants, or individually for small houses, both indoors and outdoors.

Solar System Connection

LCD Display Information



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 Communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing cable (only for parallel model)
15. Dry contact
16. USB communication port

GAMA®-TRON

GPS Inverter Selection Guide

model	1000VA/800W	3000VA/2400W	5000VA/4000W
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC :t 5%		
Surge Power	2000VA	6000VA	10000VA
Efficiency(Peak)	90%	93%	
Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY & AC CHARGER			
Battery Voltage	12VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC
Overcharge Protection	15VDC	30 VDC	60 VDC
Maximum Charge Current	10A/20A	20A/30A	20A/30A
SOLAR CHARGER(OPTION)			
Charging Current	50A		
Maximum PV Array Open Circuit Voltage	50 VDC	60 VDC	105 VDC
Standby Power Consumption	1W	2 W	2 W
PHYSICAL			
Dimension, D x W x H (mm)	305*300* 110	305*272* 100	413*295*120
Net Weight (kgs)	4.5	6.9	9.8
OPERATI NG ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	0°C - 55° C		
Storage Temperature	-15°C - 60°C		

*Typical transfer time for parallel operation is 30ms.

* Product specifications are subject to change without further notice.