

MS-GPI-3000W

Green Multi-functional Pure Sine Wave Inverter

with battery charge and UPS function 3000W



Product Description:

1. Sine Wave Inverter/Charger System
2. The Desirable Long Backup Power Solution For Home and Office Appliances.

Product Application:

It supplies reliable pure sine wave power for various loads in various fields.

This design is special for using in solar & wind system with excellent conversion efficiency.

Application loads: various loads such as resistive load, inductive load, motors and rectifier load, like team ship, truck, industrial equipment, air conditioning, television, cash register, refrigerator, computer, electric power tool etc.

Application fields: It can be used in every field, such as business, working station, home, industry fields etc.

Features:

- Micro Processor Control
- Smart size design
- Full automatic and silent operation
- Automatic Line-to-Battery Switch over
- Three stage intelligent Automatic Charging Mode Technology
- Remote control solution by RJ11 and remote panel
- Automatic charge while AC recovery(off model charging)
- High efficient DC-to-AC conversion, minimizing energy loss
- Over load,short circuit protection

- Over charge , discharge protection
- Low battery and high protection
- Cool start
- Isolated output
- Compatibility with generators
- Full Multi-function LED Display with full meanings and buzzer alarms Design
- Application for Fan, light ,TV and office appliances
- Intelligent Variable speed fan operation
- Battery type setup to get the best charge voltage and mode.

Technical Parameter:

MODEL	GPI-3KW
SPECIFICATION	
DC INPUT	
Input Voltage(Vdc)	12V/24V
Min DC start voltage(Vdc)	10V/20V
AC Bypass	
Nominal Input Voltage	110V or 230Vac(waveform:Sine or generator)
Input AC Range(Vac)	90Vac±4%-135Vac±4% or 184Vac±4%-253Vac±4%
Frequency Range(HZ)	57Hz or 60Hz(47Hz -53Hz for 50Hz)-----{57Hz -63Hz for 60Hz}
Input Frequency(Hz)	50Hz/ 60Hz (Auto detection)
Bypass Output Voltage(Vac)	same as input voltage
Bypass Output Frequency(Hz)	same as input frequency
Pass through without Battery	Yes
Max Bypass Overload Current	30A
AC Efficiency	> 95%
Transfer Time(ms)	20ms (typical)
CHARGER	
Charge mode Input Voltage Range	95~127Vac or 196~243Vac
Automatic Charge mode	Three stage charge mode:Boost CC (constant current stage) → Boost CV (constant voltage stage) → Float (constant voltage stage)
Nominal Charge Voltage	According to the battery type setup
Charge Current(A)	17.5A/35A/70A
Charge boost voltage(v)	According to the battery type setup(12V BAT:14V-15.5V; 24V BAT: 28V-31V)
Charge Floating Voltage(V)	According to the battery type setup (12V BAT: 13.3V-13.7V, 24V BAT: 26.6V-27.6V)
Over Charge Protection	Bat. V ≥15.7Vdc, beeps 0.5s every 1s & fault after 60s(15.7V for 12V, 31.4V for 24V)
Charger Short Circuit Protection	Circuit breaker
(INVERTER)	
Capacity(VA)	3000

Output Power(W)	3000
Power Factor(PF)	1
Output Voltage	120VAC or 230VAC (Sine wave)
Output Frequency	50/60 ± 0.3Hz(auto tracking main first power connection)
Wave	Pure sine wave
Inversion Efficiency	>88%
Over load capacity	(110%<load<125%) ± 10%: Fault (shutdown output) after 15 minutes;
	(125%<load<150%) ± 10%: Fault (shutdown output) after 60s;
	Load>150% ± 10%: Fault (shutdown output) after 20s
Low Battery Alarm	21.0Vdc ± 0.6Vdc for 24V battery, 42.0Vdc ± 1.2Vdc for 48V battery
Power saver	Load ≅ 25W (Enabled on “P/S auto” setting of Remote control)
AMBIENT	
Noise(dB)	60dB max
Temperature	0° C to 40° C
Humidity	5% to 95%
Sea Level(m)	<=1500
DIMENSION	
Product size L×W×H(mm)	L438*W184*H181mm
Packing size	L590*W312*H295mm
Weight(Kg)	34/37

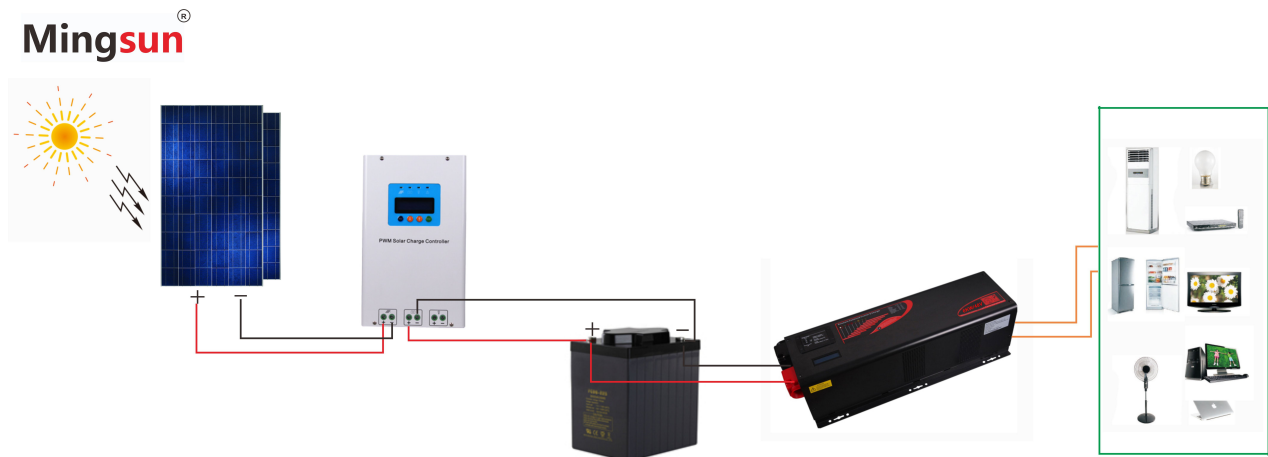
More pictures:



Internal pictures:



Solar system connection:



We are specialize in the research,development, design, production and marketing of Power inverter, Solar inverter with built-in solar charge controller, solar charge controller and solar dc system. Our Products have CE, RoHS, and export to all over the world.