

PSI-1000

SPECIFICATIONS

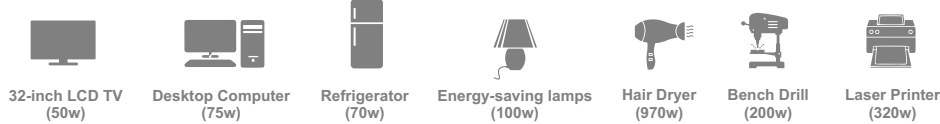


2 YEARS
WARRANTY

PURE SINE WAVE INVERTER

1000W 12V DC - 220V AC

SUITABLE FOR HOUSEHOLD/BUSINESS ITEMS SUCH AS



32-inch LCD TV
(50w)

Desktop Computer
(75w)

Refrigerator
(70w)

Energy-saving lamps
(100w)

Hair Dryer
(970w)

Bench Drill
(200w)

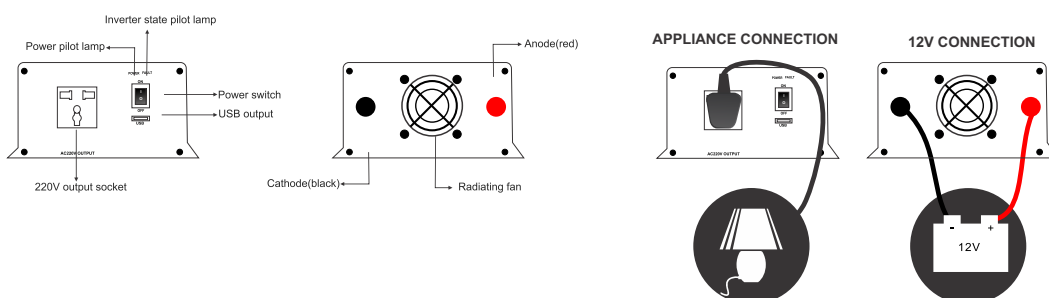
Laser Printer
(320w)

This Power Inverter is now essential in businesses and homes. Our PSI-1000 Inverter provides a reliable transformation of DC power from a car battery into AC Power that can be used to run lights, computers, printers and other essential appliances. 5 safety protections are designed to ensure the safety of the power inverter and the electric appliances, including overload protection, over-voltage protection, low voltage protection, high temperature protection, output short circuit protection.

FEATURES

- High conversion efficiency, smart soft start function
- Multiple safe protections
- Input and output are completely independent
- Smart, light, and portable, designed for home use
- Universal socket, suitable for all kinds of plugs
- Pure sine waveform output
- Applicable for resistive/sensitive loads
- High-precision voltage stability technology
- Aerospace-grade silence technology
- Cooler of fan and working status are intellectually controlled by MCU, which mostly prolongs its service life and helps to save the power consumption
- Gained CE, CTA, ISO, RoSH certificates guaranteed
- 100% pure sine wave output waveform: designed for sensitive loads (resistive load). With the technology of CPU centralized control and SMD inside
- True sine wave output (Total Harmonic Distortion (THD) < 3%)

INTERFACE DESIGN & CONNECTION



TECHNICAL SPECIFICATIONS

| Model | PSI-500 | PSI-1000 | PSI-1200 | PSI-2000 | PSI-3000 |
|---------------------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| Peak Power | 1000VA(1S) | 2000VA(1S) | 2400VA(1S) | 4000VA(1S) | 6000VA(1S) |
| Rated Power | 500W(1S) | 1000W | 1200W | 2000W | 3000W |
| Output waveform | Pure sine wave | Pure sine wave | Pure sine wave | Pure sine wave | Pure sine wave |
| Output Voltage | 220V/230±5V | 220V/230±5V | 220V/230±5V | 220V/230±5V | 220V/230±5V |
| Harmonic distortion | <3%(Impedance) | <3% (Impedance load) | <3%(Impedance) | <3%(Impedance) | <3%(Impedance) |
| Output frequency | 50Hz (or 60Hz) | 50Hz (or 60Hz) | 50Hz (or 60Hz) | 50Hz (or 60Hz) | 50Hz (or 60Hz) |
| Standby current | <0.9A | <0.9A | <0.9A | <0.9A | <0.9A |
| Conversion efficiency | Maximum 91% | 80%~85% | 80%~85% | Maximum 94% | 80%~85% |
| Rate voltage | 12V | 12V | 12V | 12V | 12V |
| Maximum input current | 50A | 120A | 120A | 250A | 300A |
| Input voltage range | 10.5V-15V | 10.5V-15V | 10.5V-15V | 10.5V-15V | 10.5V-15V |
| Under voltage protection | 9.5V±0.5V | 9.5V±0.5V | 9.5±0.5V | 9.5±0.5V | 9.5V±0.5V |
| Under voltage tip | 10.2V±0.5V | 10.2V±0.5V | 10.2±0.5V | 10.2±0.5V | 10.2V±0.5V |
| Under pressure recovery | 12.5V±0.5V | 12.5V±0.5V | 12.5±0.5V | 12.5±0.5V | 12.5V±0.5V |
| Over voltage protection | 15V±0.5V | 15V±0.5V | 15±0.5V | 15±0.5V | 15V±0.5V |
| Over voltage recovery | 14.8V±0.5V | 14.8V±0.5V | 14.8±0.5V | 14.8±0.5V | 14.8V±0.5V |
| High temperature protection | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning |
| Output short circuit protection | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning | Buzzer/LED warning |
| Output overload | Smart control | Smart control | Smart control | Smart control | Smart control |
| Load power factor | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| USB Output | 5V 1A | 5V 1A | 5V 1A | 5V 1A | 5V 1A |
| Battery reverse protection | YES | No | No | No | No |
| Cooling way | Temperature control | Temperature control | Temperature control | Temperature control | Temperature control |
| Working temperature | -20~60°C | -20~60°C | -20~60°C | -20~60°C | -20~60°C |
| Storage temperature | -20~80°C | -20~80°C | -20~80°C | -20~80°C | -20~80°C |
| Working humidity | 10~90% | 10~90% | 10~90% | 10~90% | 10~90% |
| Product size | 185X126X70mm | 260X155X85mm | 260X155X85mm | 315X177X83mm | 315X177X83mm |
| N.W/G. W(KG) | 1.25 | 3.48 | 3.48 | 4.78 | 4.78 |