

POWER INVERTER SPECIFICATION

1. Introduction: The Product is to invert 12V DC to 115V AC, meet to 120V AC electronic appliance safety operating standard. It can be used to power most electronic appliances or equipments.

2. Product characteristic

2.1 Appearance: Aluminum housing

2.2 Electronic performances: The inverter provides high efficiency output and powerful starting capability, digital control, pure sine wave output . Added safety features include DC voltage detect, high/low voltage alarm,high/low voltage protection and auto-reset , overload protection, short circuit protection and auto-reset, with USB, remote function(on off by remote), power display. The inverter will shut down if the internal temperature gets too hot and can be automatically reset after it cools down.

3. Specification: (Test condition: Ambient Temperature $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$, Humidity 40%—90 % RH. Input DC12.5V)

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|------|----------------------------------|---------------------------------|
| 3.1 | MAX. continuous Output Power | 1000 Watt |
| 3.2 | DC Input Static Current(No Load) | $\leq 1.5\text{Amp}$ |
| 3.3 | Ac Output Wave Form | Pure Sine Wave |
| 3.4 | Low Voltage Alarm | $10.5 \pm 0.5\text{V}$ |
| 3.5 | Low Voltage Cut Off Level | $10\text{V} \pm 0.5\text{V}$ |
| 3.6 | Auto-reset after shut-down | $12\text{V} \pm 0.5\text{V}$ |
| 3.7 | High Voltage Cut Off Level | 15V-16.5V |
| 3.8 | Output AC Voltage | AC $115\text{V} \pm 10\%$. RMS |
| 3.9 | Output Frequency Level | $60 \pm 1\text{HZ}$ |
| 3.10 | Overload Power Range | 1000 Watts +5% - +30% |

- 3.11 USB Power Port Output V/A DC4.7-5.3V/ 2100mA
- 3.12 Full Load Optimum Efficiency $\geq 80\%$
- 3.13 Ac Output Short Circuit Protection system shut down
(no damage)
- 3.14 Temperature Protection $< 65^{\circ}\text{C}$
- 3.15 Fan Run depend on inner temperature rising up $\geq 45^{\circ}\text{C}$
- 3.16 Led Indicate normal : Green
fault: Red

4. Display

- 4.1 Output Power Indicator 8 Green LED indicate,step 0Watts,up to 800Watts
1 orange LED indicate,step 800Watts,up to 900Watts
1 red LED indicating,The output load more than 900Watts

5. Environmental condition

- 5.1 Operating temperature 0-40 $^{\circ}\text{C}$
- 5.2 Operating Relative Humidity 10-90% RH
- 5.3 Storage temperature -10 - 50 $^{\circ}\text{C}$
- 5.4 Storage Relative Humidity 10-95% RH