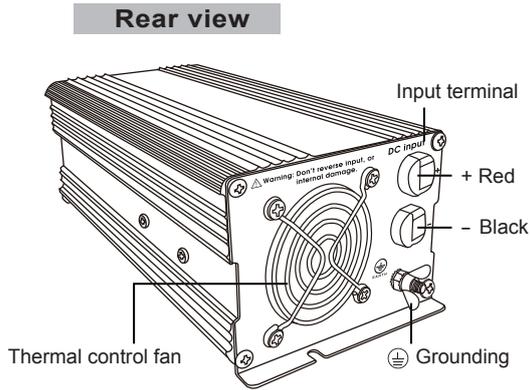
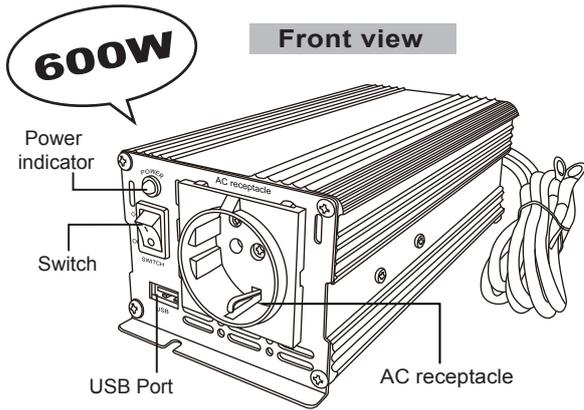


# DC to AC Power inverter manual

Damage caused by reversed polarity is not covered by the warranty.



## Smart Start function:

1. Maximizing startup performance.
2. Dynamic DC Bus Voltage regulation.
3. Soft-start technology improves reliability.

Thank you for purchasing our product. Please read this manual carefully before installing or using this product.

## How to use it

1. Connect the inverter cable with vehicle's batteries, then turn on the power switch, LED indicator will be light up.
2. Plug an AC product into AC socket and turn it on.

## AVAILABLE APPLIANCES

It is suitable for the electrical appliance which consumption power is not excess 600W, like : TV set, Video, Radio, Karaoke, Power tool, Fan, Emergency illuminator... etc.

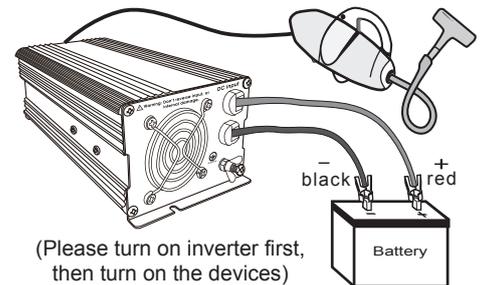


## WARNING

1. Do not insert foreign objects into the inverter AC outlet, or vents.
2. Do not expose the inverter to water.
3. Do not expose the inverter to temperatures over 60°C (140°F).
4. During operation, keep the inverter away from materials that may be affected by high temperatures, like flammable or easy-melting materials.
5. Due to the difference of the wave form, it may cause some buzzing and lines on audio and video equipment.

## CAUTION

1. Please note the power source is DC 12/24V, and make sure the polarity of the car is negative.
2. To avoid discharging your vehicle's battery, always remove the inverter from the lighter socket when not in use.
3. Please make sure your appliances were turned off before you turn on the inverter.
4. We recommend to use sine wave inverter on the sensitive appliances, like motor, grinder, sander...etc.
5. Do not place any heavy object on the inverter or the power cable. Do not use it when the cable is coiled.
6. If the consumption power is over 600w when starting the tools, Over Load Protection system will be automatically shut off the inverter.



| SPECIFICATIONS                     |                    |             |
|------------------------------------|--------------------|-------------|
| Model No.                          | HT-M-600-12        | HT-M-600-24 |
| Output power continuous            | 600W               |             |
| AC Output Voltage                  | AC120V<br>AC230V   |             |
| USB Port                           | 3A/5V max          |             |
| Regulation                         | ±8%(100V: ±10%)    |             |
| Output wave form                   | Modified Sine Wave |             |
| DC Input Voltage                   | 10~16V             | 20~32V      |
| Input low/ High voltage alarm      | YES                |             |
| Input low/ High voltage protection | YES                |             |
| Frequency                          | 50/60Hz±3%         |             |
| Efficiency                         | >85%               |             |
| No load current draw               | 0.5A               | 0.25A       |
| Temperature protection             | 55°C ± 5°C         |             |
| Overload protection                | YES                |             |
| Dimensions (L× W× H)(by mm)        | 230 x 95 x 75      |             |
| Net weight (by Kg)                 | 1.4                |             |

## Troubleshooting

| Problem                                   | Alarm           | LED          | Solution   |
|---|-----------------|--------------|--|
| Over load, Output short circuit           | Two short alarm | Green flash  | Reduce load/Solve short circuit situation  |
| High input voltage protection (shut down) | Long alarm      | Orange flash | Reduce input volts   |
| Low input voltage alarm                   | Short alarm     | Green flash  | Change battery or recharge battery   |
| Low input voltage protection (shut down)  | Long alarm      | Orange flash | Change battery or recharge battery   |
| Temperature alarm                         | None            | Green flash  | Allow the inverter to cool. Reduce the load if continuous operation is required. |
| Overtemperature protection (shut down)    | Long alarm      | Orange flash | Allow the inverter to cool. Reduce the load if continuous operation is required. |