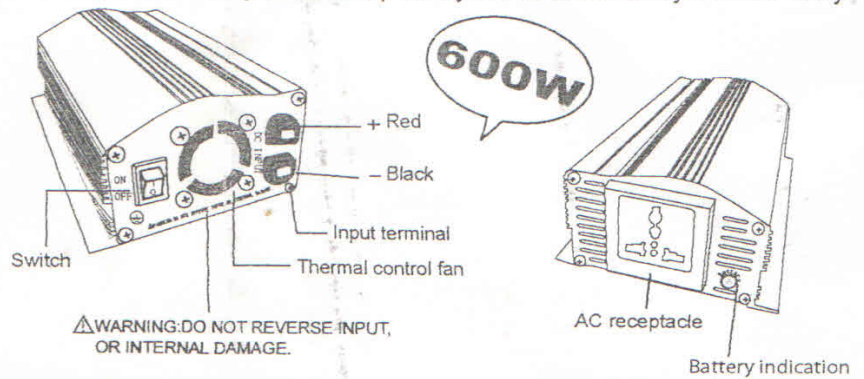


DC to AC Power inverter manual

Smart Start function:

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

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



WARNING: DO NOT REVERSE INPUT, OR INTERNAL DAMAGE.

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.

SPECIFICATIONS

Model No.	HT-E-600-12	HT-E-600-24
Output power continuous	600W	
AC Output Voltage	AC100V AC120V AC230V	
Regulation	±10 %	
Output wave form	Modified Sine Wave	
DC Input Voltage	10~16V	20~32V
Input low voltage alarm	YES	
Input low voltage protection	YES	
Frequency	50Hz/60Hz ±4 %	
Efficiency	>85 %	
No load current draw	<0.5A	
Temperature protection	55°C ±5°C	
Overload protection	YES	
Input reverse protection	YES	
Dimensions (L×W×H)(by mm)	230×123×65	
Net weight (by Kg)	1.0	

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.

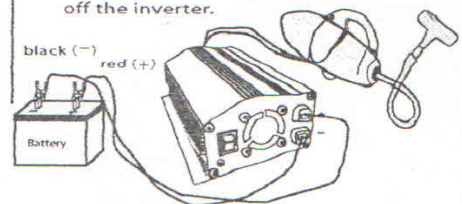


WARNING

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 DC12/24V, 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.



(Please turn on inverter first, then turn on the devices)

Troubleshooting

Problem	Alarm	LED	Solution
Over load, Output short circuit	Three short alarm	Orange flash	Reduce load/Solve short circuit situation
High input voltage protection (shut down)	Long alarm	Orange flash	Reduce input volts
Low input voltage alarm	Slow short alarm	Green flash	Change battery or recharge battery
Low 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.