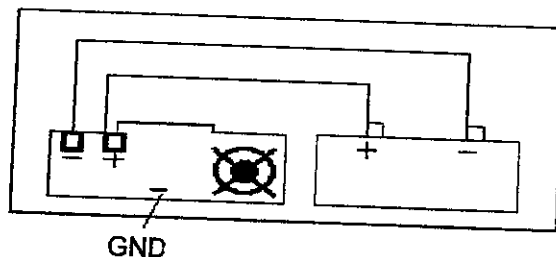


# Pure Sine Wave Power Inverter

## 150W / 300W

### Operational Guidelines

- Step 1 Remove inverter from its packaging. Check to verify that the ON/OFF Switch is in the OFF position.
- Step 2 Connect the cables to the Power Input Terminals located at the rear part of the inverter. Do not tighten these screws excessively.
- Step 3 Connect the cable securely from the Negative Terminal (-) of the inverter to the Negative Terminal (-) of the 12V or 24V power source.
- Step 4 Connect the cable securely from the Positive Terminal (+) of the inverter to the Positive Terminal(+) of the 12V or 24V power source.  
Step 3 and 4 for 300W inverter. For 150W inverter, please directly plug into cigarette lighter socket of auto.
- Step 5 Set power switch to ON position. Check the status of the LED indicators. LED indicators should be lighted.
- Step 6 Set power switch to OFF position.
- Step 7 Plug the equipment / appliance into the AC receptacle at the front panel of the inverter. Leave the equipment / appliance switched OFF.
- Step 8 Set the power switches of both inverter and equipment / appliance, respectively, to ON position. ( The inverter is now ready to transfer power to the equipment / appliance.)



### SPEC-150W:

150W Pure Sine Wave Inverter

Maximum Continuous Power .....150W  
Maximum Surge Capability (Peak Power).....300W

No Load Current Draw

- 12V DC-115VAC .....< 0.5A , DC-230VAC ..... <0.6A
- 24V DC-115VAC .....< 0.3A , DC-230VAC ..... <0.4A

DC Input Voltage Range

- 12V DC.....10.5V – 16.5V     • 24VDC..... 21V – 33V

AC Output Voltage Range.....115V/230V +/- 3%

Total Harmonic Distortion.....< 3%

Frequency (may be as specified).....50Hz or 60Hz

Efficiency .....85%

Low Battery Alarm

- 12V DC.....10.5V     • 24V DC.....21V

Low Battery Shut-Off

- 12V DC.....10V     • 24V DC.....20V

Wave Form.....Sine Wave

Dimensions (L x W x H)..... 210x147 x66 mm , Net Weight.....1.28 kgs

### SPEC-300W:

300W Pure Sine Wave Inverter

Maximum Continuous Power .....300W

15 Minutes Power.....350W

Maximum Surge Capability (Peak Power).....500W

No Load Current Draw

- 12V DC- 115VAC ..... <0.5A , DC-230VA..... <0.7A
- 24V DC -115VAC..... <0.4A , DC-230VA..... <0.5A

DC Input Voltage Range

- 12V DC.....10.5V – 16.5V     • 24V DC.....21V – 33V

AC Output Voltage Range.....115V/230V +/- 3%

Total Harmonic Distortion.....< 3%

Frequency (may be as specified).....50Hz or 60Hz

Efficiency.....85%

Low Battery Alarm

- 12V DC.....10.5V     • 24V DC.....21V

Low Battery Shut-Off

- 12V DC.....10V     • 24V DC.....20V

Wave Form.....Sine Wave

Dimensions (L x W x H).....210x147x66 mm , Net Weight.....1.4 Kgs

Function of LED :

\*Green : Power On

\*Orange : Over Temperature, Over Voltage & Low Voltage

Protection:

\*Input low voltage

\*Input over voltage

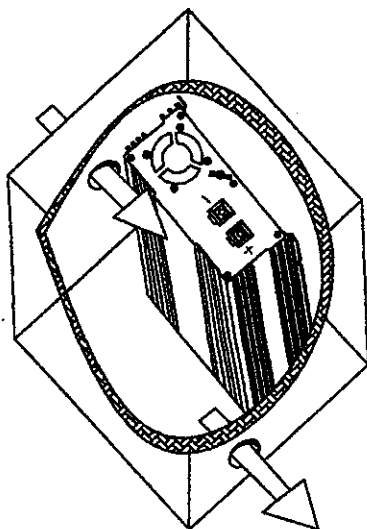
\*Low battery alarm

\*Over temperature

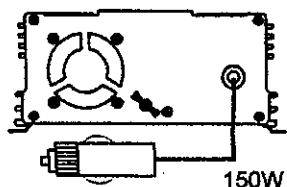
\*Overload

\*Short circuit

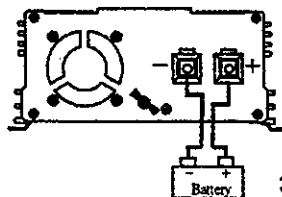
- 1 Make sure inverter is well ventilated during use. At least, keep a free space of 10 cm around the inverter.



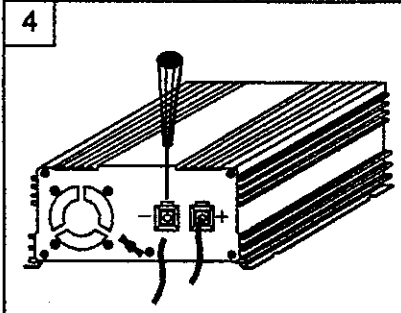
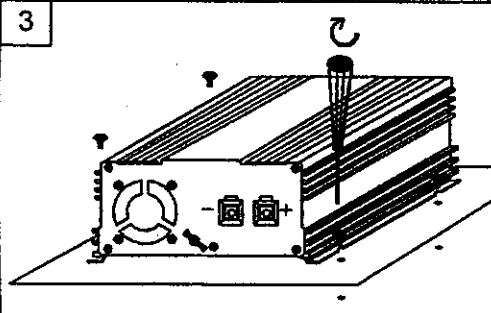
- 2 For 300W inverter, failure to properly connect wiring between inverter and power source will result in reverse polarity. Reverse polarity will blow the internal fuse in the inverter and permanently damage said inverter. Damage caused by reverse polarity is not covered under our warranty. 150W inverter directly plug into cigarette lighter socket of auto for connection.



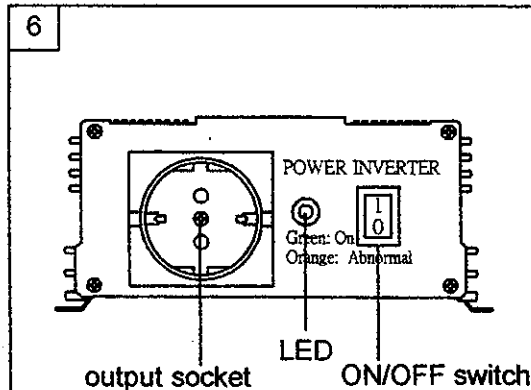
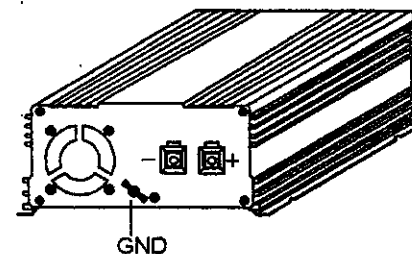
150W



300W



- 5 Always properly ground the inverter before operation to avoid possible electrical shock. Connect the earth cable to the chassis terminal.



### GENERAL SAFETY:

1. Never attempt to operate the inverter from any power source other than a 12V or 24V battery.
2. Read this General Safety, installation, and Operation Guidelines carefully before using your inverter and strictly follow the instructions.
3. Loose connections can result in a severe decrease in voltage which may cause damage to the wires and insulation.
4. Make sure that the power consumption of the appliance or equipment you wish to operate is compatible with the capacity of the inverter.
5. When operating the inverter with a car or marine battery, start the engine every 30 to 60 minutes and let it run for approximately 10 minutes to recharge the battery.
6. In the every event of a continuous audible alarm or automatic shut-off, immediately turn the inverter power switch to OFF position. Do not restart the inverter until the source of the problem has been identified and corrected.
7. Always disconnect the inverter when not in use.

### CAUTION:

\*Always place the inverter in an environment which is :

- (A) Well ventilated
- (B) Not exposed to direct sunlight or heat source
- (C) Out of reach from children
- (D) Away from water/moisture, oil or grease
- (E) Away from any flammable substance

