

Model: EL-150

COUPE Car Inverter 150 Watt

MANUAL



Read the Manual carefully before using this product.

CAUTIONS:

- This is not a toy. Keep out of reach from children
- DO NOT install near flammable materials
- DO NOT use or make connections in mark or designated as IGNITION PROTECTED
- DO NOT expose to rain, snow, water, or any other liquids
- DO NOT use with positive ground electrical systems
- NEVER connect the inverter to AC distribution wiring
- DO NOT plug foreign objects into the receptacles
- DO NOT open, there are no user serviceable parts inside



CAUTION: SERIOUS SHOCK HAZARD. The inverter should only be serviced by qualified personnel. There are no user serviceable parts.

INTRODUCTION:

This power inverter can supply AC120V power from a 12VDC vehicle power via the cigarette lighter socket. It is our newly designed, lightweight, compact, multi-functional Coupe Power inverter. See following are the main features:

◆ Brand New Design

This power inverter is inspired from a Coupe which you seldom see on the market as an inverter.

◆ Lightweight

It is only weighed at 300 Grams as pocket inverter.

◆ Compact

This inverter is built with 2 USB Port in the two front “Wheels”, Voltage Meter and Cigarette lighter socket in the two Rear “Wheels”, an IP54 ETL approved socket on the “Roof” and all these parts are in perfect harmony.

◆ Multi-Functions

∞ The 120W continuous output power can power up laptop, tablets, GPS units, TV, battery chargers, camping equipment and small mobile office equipment.

∞ Two 5V 2.0A USB output ports can supply sufficient power for charging your smart phones, Pads.

∞ The voltage Meter can help you to check the battery status simultaneously.

∞ The cigarette lighter socket is also a good power source to the appliances with cigarette lighter plug input connection.

BASIC OPERATION

- Use the right operating voltage for both input and output of the inverter.
- Plug in the car cigarette lighter socket, the inverter LED indicator will turn Green which indicates the inverter has AC output.
- Insert the plug of your appliances into AC socket on the top of the inverter.

CAUTION:

- DO NOT USE THE INVERTER IN A POSITIVELY GROUNDED VEHICLE.

- DO NOT POWER MORE THAN 150 WATTS AS THE CAR CIGARETTE LIGHTER SOCKET IS BUILT WITH A 15A RATED FUSE, DOING SO MIGHT DAMAGE YOUR CAR'S FUSE.

RECOMMENDATION

- When you are not using the inverter, disconnect the inverter from the power supply.
- Disconnect the inverter when starting the vehicle's engine.

BATTERY USE

TO avoid over-discharging your vehicle's battery, you should run your engine for 10-20 minutes to recharge the vehicle's battery after 2-3 hours of operating the inverter.

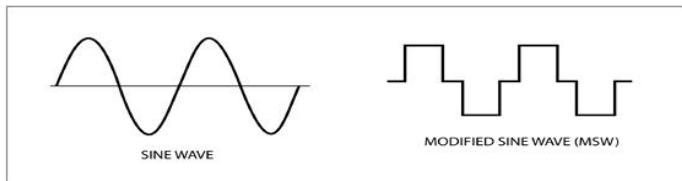
CAUTION:

THE FOLLOWINGS OPERATION WILL DAMAGE THE UNIT:

- CONNECTING THE BATTERY CHARGER TO REPLENISH BATTERY WITHOUT DISCONNECTING THE INVERTER FIRST.
- OPERATING THE INVERTER AND BATTERY IN OR AROUND WATER.

MEASURING THE AC VOLTAGE

The output waveform of the AC output is a MODIFIED SINE WAVE. To measure the AC output voltage, you must have a TRUE RMS VOLTMETER.



FEATURES:

- Low Battery Automatic Shutdown
- Overload and Short Circuit Protection
- Compact Size, Light Weight, and High Efficiency
- High Surge Current Capability to Start TVs, Lights.
- Thermal Protection
- Built-in Cooling Fans
- Soft Start Technology

SAFETY PRECAUTION

Do not open the case of the inverter. The high voltage inside the unit is the same type of power as our electrical outlets at home.

Do not let the cord of the inverter or any appliance's cord get wet.

Do not operate the inverter in or around water. The voltage of the unit makes electrical shock hazard if operated in wet conditions.

Do not connect the AC inverter directly to another AC power source.

Keep it away from children, the inverter produces power just like your AC wall outlets at home and should be treated seriously.

Allow at least 1 inch of clearance around the inverter for airflow.

If you operate the inverter in a moving vehicle, you need to secure the inverter to prevent it from shifting around while the vehicle is moving.

If there is anything wrong with the inverter, disconnect all of the power.

TROUBLE SHOOTING

TROUBLE SHOOTING

TROUBLE/INDICATION	POSSIBLE CAUSE	SUGGESTED REMEDY
No AC output—the Green LED light is not on	•DC input below 10 Volts	•Recharge or replace battery
No AC output —inverter is cold	Poor connect with the battery.	• Disconnect load from inverter. Reconnect the unit to the cigarette lighter socket.
Shut down after operating for a long time	•Over-temperature	•Disconnect the inverter and put aside for while to cool down the unit.
Shut down after operating a short time and inverter is cold	Over-Load	Reduce the wattage of the inverter's load

MAINTENANCE

Very little maintenance is required to keep the inverter operating properly.

DESCRIPTION

400W Peak power- Allow you to power appliances that require a large amount of initial power to work (such as many TVs).

Low Battery shutdown-- the inverter turns itself off if the source battery becomes too low.

Auto shutdown/reset protection--- the inverter temporarily shuts itself down to protect itself from overheating.

Overload/Short Circuit Protection--- the inverter automatically turns itself off if the connected load is too high or if it shorts.

AC Outlet—allows you to power AC appliances.

HEAT DISPERSAL

The inverter generates heat while it is working. This is not a malfunction. However, if the inverter gets too hot while working, it will turn off by itself.

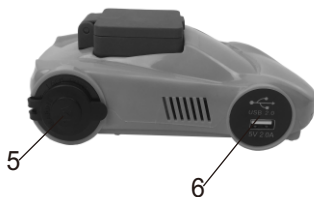
Position the inverter where air flows freely around it to allow the heat to disperse.

The inverter's thermal protection prevents it from operating when its temperature exceeds 140+/-9 °F (60+/-5 °C).

SPECIFICATION

Name	Description
Input	12V(10-15V) DC
Output	110-120Vac
Output frequency	60Hz
Output waveform	Modified Sine Wave
Max continuous power	150 watts

Surge power	400 watts
USB output	DC5V 2000mA*2 ports
Output socket	IP54 ETL approved socket
Cigarette lighter socket	12V DC output 15A max
Meter	Voltage of battery
Cooling Fan	Built-in
Best efficiency	Approx. 90%
No load current	<0.1A
Battery low shutdown	10+/-0.5V DC
Over voltage shutdown	15.5+/-0.5V DC
Thermal shutdown	140+/-9°F (60+/-5°C)
Product dimension(in)	6.7x3.9x2.4
Product net weight (lb)	0.66



1. Car cigarette lighter plug head
2. AC120V output receptacle
3. DC5V 2 Amp USB output-1
4. LED Meter of car battery
5. cigarette lighter socket
6. DC5V 2 Amp USB output-2