



# DC to AC Power Inverter

- 300 Watt Continuous Power
- 600 Watt Peak Power



**CAUTION: THIS INVERTER IS FOR USE WITH 12V BATTERIES ONLY.**

Read these instructions before operating this power inverter and retain for future reference!



USER MANUAL FOR DC12V 300 WATTS POWER INVERTER  
Read before operating this equipment

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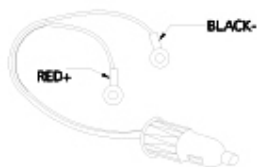
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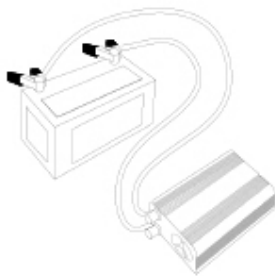
Your 300 watt power inverter converts 12-volt vehicle battery power into 230 volts of AC power. You can use the inverter in your vehicle to operate many types of appliances that use AC power such as TVs, VCRs, portable computers, power tools and lights for emergency or camping use. The inverter works with your vehicle's engine turned on or off (accessory mode). It provides a continuous output of up to 300 watts.

#### BASIC OPERATION

- Use the right operating voltage for both input and output of the inverter.
- Powering devices with power rating:
  - Less than 150 Watts by connecting the cigarette lighter plug into the vehicle's cigarette lighter socket.



- More than 150 Watts by connecting RED terminal from inverter to + of battery terminal and connect BLACK terminal from inverter to – of battery terminal.



- Insert the plug of your appliances into AC socket at the front of the inverter.
- Turn ON the power switch that is located at the front of the inverter, and the green LED will light as indicator that the unit at work.

#### CAUTION:

- DO NOT POWER MORE THAN 150 WATTS WHEN THE POWER INVERTER IS CONNECTED TO THE CAR CIGARETTE LIGHTER SOCKET POWER SUPPLY. DOING SO MAY DAMAGE YOUR CAR'S FUSE.



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#### RECOMMENDATION

- If the power inverter makes beeping sound, turn OFF the power inverter and disconnect all appliances from inverter and disconnect the inverter from the power supply. The beeping sound is simply the low battery warning, which indicates that the voltage of the battery power supply is getting low. Please restart the vehicle engine before operating the power inverter.
- When you are not using the inverter, turn the switch to OFF and 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.

If you choose to connect the vehicle directly to your battery terminals, it is important to connect with right polarity (Connect + from inverter to + of battery terminal and connect - from inverter to - of battery terminal)

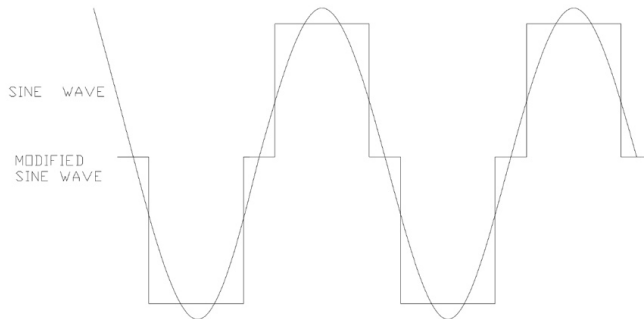
#### CAUTION:

THE FOLLOWINGS OPERATION WILL DAMAGE THE UNIT:

- REVERSE POLARITY BY CONNECTING THE WIRES TO THE INCORRECT TERMINALS.
- CONNECTING THE BATTERY CHARGER TO REPLENISH BATTERY WITHOUT DISCONNECTING THE INVERTER FIRST.

#### 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.



Do not open the case of the inverter.

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### 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.

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.

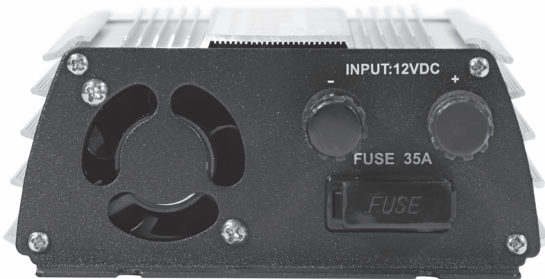
If there is anything wrong with the inverter, disconnect from 12V power supply.

**BEFORE ANY OTHER TROUBLE SHOOTING, ALWAYS CHECK THE FUSES AND REPLACE IF NECESSARY.**

### 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 socket or car battery terminals.
Shut down after operating for a long time	•Over-temperature	•Disconnect the inverter and put aside for 15 mins 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
Red LED light &/or audible beeping.	Fuse could have been blown	Check ALL the fuses and replace if necessary.

FUSES ARE LOCATED ON THE BACK OF THE UNIT



### MAINTENANCE

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



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#### DESCRIPTION

600W Peak power- Allow you to power appliances that require a large amount of initial power to work (such as many TVs and power tools).

Low Battery alarm- the inverter sounds and audible alarm then 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 - CAUTION

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	230VAC
Output frequency	50Hz
Output waveform	Modified Sine Wave
Continuous power	300 watts
Surge power	600 watts
Best efficiency	Approx. 90%
With USB output	DC5V 1000mA
No load current	<0.3A
Battery low shutdown	10+/-0.5V DC
Battery low alarm	11+/-0.5V DC
Thermal shutdown	140+/-9°F (60+/-5°C)
Product dimension	18.5X12.6X5.5CM





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**WARRANTY:** The 12 month warranty on this product will need to be activated within 30 days of purchase, please go to our web site and click on the “Warranty” link and enter your details on the warranty screen. [www.streetwizeaccessories.com](http://www.streetwizeaccessories.com).

## Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The box and recyclable materials in this packaging can be reused or recycled. Any plastic packaging must be disposed of in accordance with current local authority procedures.



The WEEE symbol  on this product means that the battery charger should be ethically dismantled or recycled to minimise environmental impact. Please check with your local authority for more information.



**FOR USE ONLY IN A COVERED ENVIRONMENT**

### Important:

#### Additional Safety Information

This DC to AC Power Inverter is NOT intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the DC to AC Power Inverter by a person responsible for their safety.



M17 1RY

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