USER'S MANUAL

MONOPRICE®

1000W POWER INVERTER

11565

SAFETY WARNINGS AND GUIDELINES

- Place the inverter in a well-ventilated environment.
- Ensure that the cooling fan is not blocked and that it operates as intended. Do not use the inverter if the fan fails to operate.
- Do not expose the inverter to excessive heat. Keep it out of direct sunlight and away from heat sources.
- Keep out of reach of children.
- Do not expose the inverter to water or moisture of any kind. Do not place items containing liquid on or near this device.
- Do not expose the inverter to oil or grease.
- Ensure that the inverter is positioned in a stable location so that there is no risk of it falling.
- Ensure that power switch on the inverter is in the OFF position when making or breaking electrical connections.
- Always power on the inverter before switching on any connected electrical appliances/devices. Starting the inverter with a load can severely damage the inverter.
- Disconnect the inverter when it is not in use.
- Power off and disconnect the inverter and your appliances when starting your vehicle's engine.
- Power off and disconnect the inverter and your appliances when using a battery charger to charge the battery.
- Do not connect the inverter to a vehicle's battery while the vehicle's engine is running.
- Do not use an extension cable on the input side of the inverter. You may use a heavy duty, large gauge extension cable up to 100 feet long (30 meters) on the output side of the inverter.
- This inverter outputs a modified sine wave. Some devices do not work properly or can be damaged when powered by modified sine wave voltage. Ensure that your appliance/device can be operated safely with a modified sine wave before connecting it to the inverter.

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x 1000W Power Inverter

1x User's Manual

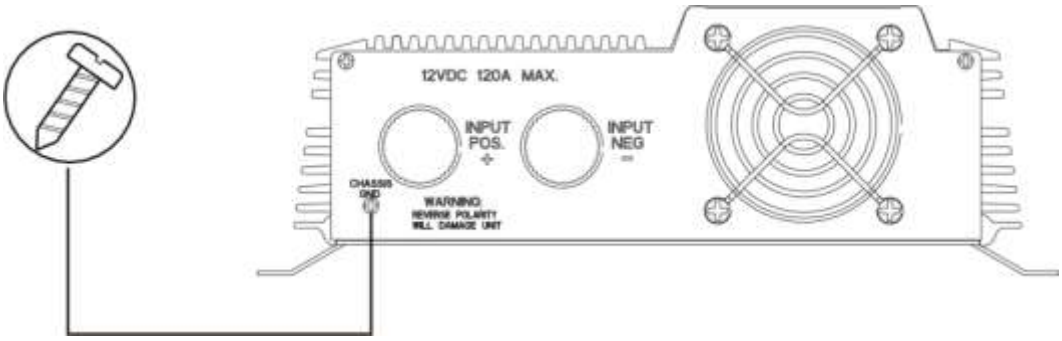
GROUNDING CONSIDERATIONS

There is a screw terminal labelled CHASSIS GND on the rear panel of the Inverter. This terminal is connected to the case of the AC output socket. The use of this terminal will depend on your particular installation. In any installation, heavy duty, green insulated wire should be used for this connection.

In a stationary land based installation, the earth terminal should be connected to a metal earthing stake driven into the ground to a depth of 4 feet (1.2m) or more, if the battery system powering the inverter does not have a connection to ground, one of the battery terminals (commonly the negative terminal) should also be connected to the earthing stake.

In a vehicle where the inverter is wired directly to the battery, the earth terminal is simply connected to the vehicle on a temporary basis and will be powered via the cigarette lighter socket in the vehicle, the earth terminal should be connected via a short link to either the negative or positive DC input terminal of the inverter, depending on whether the vehicle has a negative or positive chassis connection. However when using the Inverter to power equipment used outside the vehicle, an earthing stake should also be used, as described above.

In a boat, the earth terminal should be connected to the existing grounding system, which may be the hull of the craft, or a network of ground wires.



SAFETY SHUT DOWN

- If the total wattage of attached devices exceeds the inverter's capacity, it will automatically shut down.
- The inverter will automatically shut down if the temperature of the device exceeds 149°F (65°C).
- The inverter will automatically shut down after about 5 minutes of operation after the low-battery warning beep is first sounded.

LOW BATTERY WARNING

The inverter monitors the voltage level of the battery it is connected to and will start to beep when the voltage level gets too low. When it beeps, power off and disconnect the inverter and your appliances, then start your vehicle or use a battery charger to recharge the battery.

This leaves your vehicle's battery at about 10.5V. It is recommended to run your vehicle for about 10 to 20 minutes every 2 to 3 hours of inverter operation, which allows the battery to recharge for continued operation.

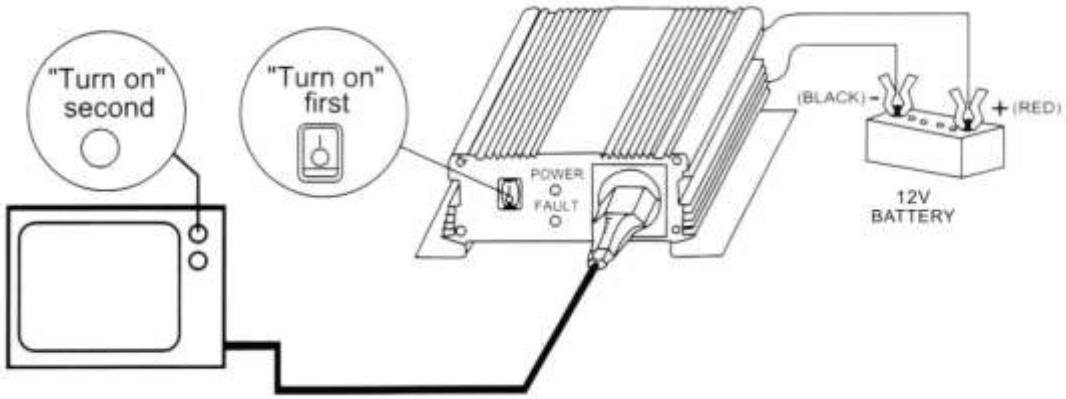
OPERATION

This inverter needs to be connected directly to the battery source. Use a pair of large gauge cables (not included) for the connection.

1. Ensure that the power switch on the inverter is in the OFF position.
2. Connect the cables to the Input terminals on the power inverter. Connect the black cable to the black/- terminal. Connect the red cable to the red/+ terminal. Tighten the terminal lugs to ensure that the cables are securely connected.
3. Connect the black cable to the black/- terminal on the battery or to a grounding point on the vehicle's chassis.
4. Connect the red cable to the red/+ terminal on the battery.
5. Ensure that power switch for your electrical appliance/device is in the OFF position.
6. Plug your electrical appliance/device into the AC power output socket on the inverter.
7. Switch the inverter ON.
8. Power on your electrical appliance/device.

WARNING! Never turn on the inverter with a load connected. Always ensure that any connected device is switched off before powering on the inverter.

WARNING! Because electric motors draw huge amounts of power when starting up, do not connect any device with a motor or compressor (such as a drill, refrigerator, or air conditioning unit) that normally requires more than 333 watts of power to this inverter. Devices with higher power requirements would exceed the inverter's rated capacity when starting up.



SPECIFICATIONS

Model	11565
Continuous Output Power	1000 watts
Peak Output Power	2000 watts
Standby Current	≤ 5 amps
Nominal Input Voltage	12 VDC (11 ~ 15 VDC)
Nominal Output Voltage	115 VAC
Output Frequency	60 Hz ± 3 Hz
Output Regulation	5% Intelligent Pwm
Output Waveform	Modified Sine Wave
Low Battery Voltage Alarm	10.5 ± 0.5 VDC
Low Battery Voltage Shutdown	10.0 ± 0.5 VDC
High Battery Voltage Shutdown	16.0 ± 1.0 VDC
Efficiency	85 ~ 90%
Thermal Protection	+149°F (+65°C)
Overload	Shutdown
Battery Polarity Reverse	By Fuse
Output Short Circuit Protection	Yes
Cooling Fan	Auto operation by temperature or load
AC Outlets	2x NEMA 5-15
Replaceable Fuse	4x 30A
Dimensions	10.6" x 5.7" x 3.0" (270 x 145 x 76 mm)
Weight	4.1 lbs. (1.85 kg)