

180W DC-AC Power Inverter with USB Charging Port User Manual

Declaration

Thank you for purchasing the LASER PW-INVERT180 power Inverter. Please read this manual carefully before using the product.

Notice

- It is normal for the Inverter to become warm to the touch when used. Please do not use near heat sensitive materials.
- **Do not** use this Inverter with any appliance that carries dangerous voltage warnings.
- **Do not** use with inputs 16volts or over. This Inverter is not suitable for use with 24volt vehicles.
- Make sure that the Inverter is place in a well ventilated place when in use.
- **Never** place the Inverter in front of a heat vent or leave in direct sunlight.
- **Do not** use Inverter near any flammable liquid or gasses.
- This Inverter is for indoor use only and should not be used in extremely dusty, humid, hot, cold or damp environments.
- **Do not** use the Inverter if wet or handle the Inverter with wet hands.
- Replace cap when not in use.
- **Do not** put metal objects in the Inverter.
- **Do not** disassemble the Inverter. There are no user serviceable parts in side.

Main features

Use mains powered devices in your car without the need to buy expensive convertor or adaptors for each device.

Mains type plug output and USB output.

150watt continuous power. (180watt peak).

Short Circuit, Overload & Over temperature protection.

Low voltage shutdown.

Easy to use.

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Using the inverter

Before use, make sure that the vehicles cigarette lighter socket is working, by testing with the lighter if possible.

Remove the lighter from the socket and if the lighter has just been used, allow too cool for few minutes.

Plug the Inverter into the vehicles cigarette lighter socket and turn the ignition to Accessories (please check with your vehicles handbook)

Turn the on off switch to the ON position. The Green LED indicator will light up and the Inverter is ready to use. Turn the switch to the off position before connecting to any devices.

Insert the power plug of the electrical device, into the socket of the Inverter and switch the Inverter on.

LED INDICATOR

No light from LED	No Power to the Inverter
Constant GREEN	Power on and operational
Constant RED	Inverter has shutdown

Troubleshooting

Problem	Possible Causes	Suggested Solutions
No Light from LED	No DC power from the cigarette lighter socket or Inverter plug loose in lighter socket	<ol style="list-style-type: none">1. Check the vehicles ignition to ensure the cigarette lighter is powered.2. Check the cigarette lighter socket with lighter to confirm socket is functioning.3. Check the Inverter plug to ensure that the contacts are clean and spring from the plug.
LED is RED	<p>The LED will be RED when one of the 4 protections circuits is triggered.</p> <p>Overload Shutdown. Load or startup surge is too great for the Inverter.</p> <p>Over temperature Shutdown May occur if Inverter is used under long period under heavy load or insufficient ventilation.</p> <p>Under/Over Input voltage Shutdown Sudden rise or drop in the DC voltage from the lighter socket may trigger shutdown during use</p>	<p>Make sure that the load on the Inverter is less than 150 watts and 180watts start up load.</p> <p>Unplug inverter and let cool before using again. Check position of inverter to ensure proper ventilation.</p> <p>Check the vehicles battery level to avoid flat battery. Unplug and re-insert the plug into the socket to ensure good contact is made. Inverter should return to normal operation.</p>

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Power LED is GREEN but appliance will not turn on	The appliance does not accept AC output voltage of the inverter.	Check the voltage requirements of the Appliance
	The appliance is not turned on.	Check the appliance is turned on.
	The connection to the appliance is not secure.	Reconnect the Appliance to the Inverter to ensure a secure connection.

Technical specifications

Input voltage range	11-15VDC
Output rated power	150Watts continuous 180Watts Max
Output voltage and frequency	Voltage 240VAC Frequency 50Mhz
Output Voltage for USB port	5VDC 300~500mA (0.5A max)
Indicator	Dual Colour LED Green ~ Operational Red ~ shutdown
Protection	<ul style="list-style-type: none"> ● Short Circuit ● Overload ● Over Temperature ● Over Battery Voltage ● Under Battery Voltage
Over Voltage Shutdown	DC 15V~16V
Low Voltage Shutdown	DC 10V~10.5V

Warranty

This product is covered by a 12 month warranty that protects against manufactures defects and faults. Using this product for purposes for which it is not designed for, Heat damage, Misuse, mistreatment, impact damage or damage by liquid penetration will void the warranty.

Support

Please check the troubleshooting guide before attempting to contact support.

Please forward all support enquires to support@laserco.com.au