

Item no. 2107



User's Manual

75Watt Power Inverter By Wagan Tech

Thank you for purchasing 75Watt Power Inverter by Wagan Tech. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully before use.

Your 75 Watt Power Inverter converts 12-volt vehicle battery power into 115 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 75 watts.

WARNING!

- Shock hazard!
- The Smart AC Power Inverter generates the same AC power as a normal household wall outlet.
- Do not open (no user-serviceable parts inside).
- Do not insert foreign objects into the outlet.
- Do not expose to water, rain, or snow.
- Do not connect to power utility AC distribution wiring.
- Failure to follow the above may result in personal injury or damage to the inverter.

CAUTION

- REFER TO THE BATTERY MANUFACTURER'S SAFETY INSTRUCTIONS FOR PROPER BATTERY INSTALLATION AND OPERATION.
- NEUTRAL FLOATING-do not connect to the inverter any AC products whose neutral conductor is connected to the ground.
- Do not expose to temperatures over 40°C (104°F).

BASIC OPERATION

- Use the right operating voltage for both input and output of the inverter.
- Powering the inverter by connecting the cigarette lighter plug into the vehicle's cigarette lighter socket.
- Insert the plug of your appliances into AC socket at the front of the inverter.

RECOMMENDATION

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 and void the warranty of the inverter:

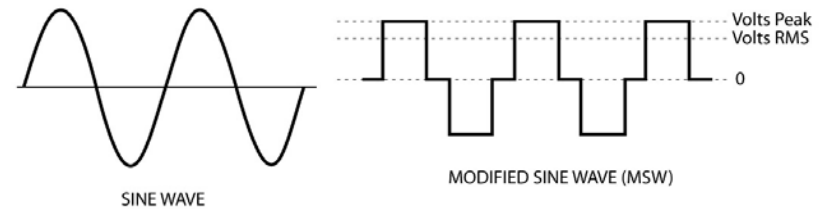
- Reverse polarity
- Connecting the battery charger to replenish battery without disconnecting the inverter first.
- Connecting the inverter to power source greater than 15-volt dc.
- Operating the inverter and battery in or around water.

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MEASURING THE AC VOLTAGE

The output waveform of the AC inverter is a MODIFIEDSINEWAVE. To measure the AC output voltage, you must use a TRUE RMS VOLTMETER.



SAFETY PRECAUTION

- Do not open the case of the inverter. The high voltage inside the unit is the same type of power as your electrical outlets at home.
- 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.
- If there is anything wrong with the inverter, disconnect all of the power.

TROUBLESHOOTING

Condition	Solution
Poor contact	Clean contact parts thoroughly.
Battery voltage is too low	Start the engine to recharge the battery. Replace the battery if needed.
Shutdown on overload	Reduce the wattage of inverter's load.
Thermal shutdown	Allow the inverter to cool down by reducing the load or turn it off for a while.

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MAINTENANCE

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

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.

SPECIFICATION

Name	Description
Input	12V (10-15V) DC
Output	115VAC
Output frequency	60 Hz
Output waveform	Modified Sine Waveform
Continuous power	75 Watt
Surge power	200 Watt
Efficiency	Approx. 90 %
No load current	< 0.2 A
Battery low alarm	--
Battery low shutdown	10 ± 0.5 V DC
DC fuse	15 A
AC output socket	1 outlets of 3-prong
Dimensions	5x2.5x1.5 in ³
Net Weight	0.32 lb

NOTE

All specifications are typical at nominal line, half load, and 77 F / 25 C unless otherwise noted. Specifications are subject to change without notice.

WAGAN Corp. Limited Warranty Registration Form

All WAGAN Corporation products are warranted to the original purchaser of this product.

Warranty Duration: This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please ship the item, prepaid, with a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and Canada and does not extend to any units which have been used in violation of written instructions furnished.

Warranty Disclaimers: This warranty is in-lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

Warranty Performance: During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period.

- Please activate my limited warranty for WAGAN Corp.
- Enclosed copy of original sales receipt.

Name					
Mail Address					
Add'l Address					
City		State		Zip Code	
Item Purchased					
Store Name					
Date of Purchase					
Signature				Date	

All WAGAN Corporation Products must be registered within (30) days of purchased to activate this warranty.

Mail the complete registration form, along with a copy of the original receipt to:

Attn: Customer Service
WAGAN Corporation
3589 Yale Way, Fremont, CA 94538
Email: customerservice@wagan.com
Phone: (Toll Free) 1-800-231-5806 (Local) 1-510-490-9221
Hours of Operation: Monday through Friday 8:00 A.M. - 5:00 P.M. (P.S.T.)