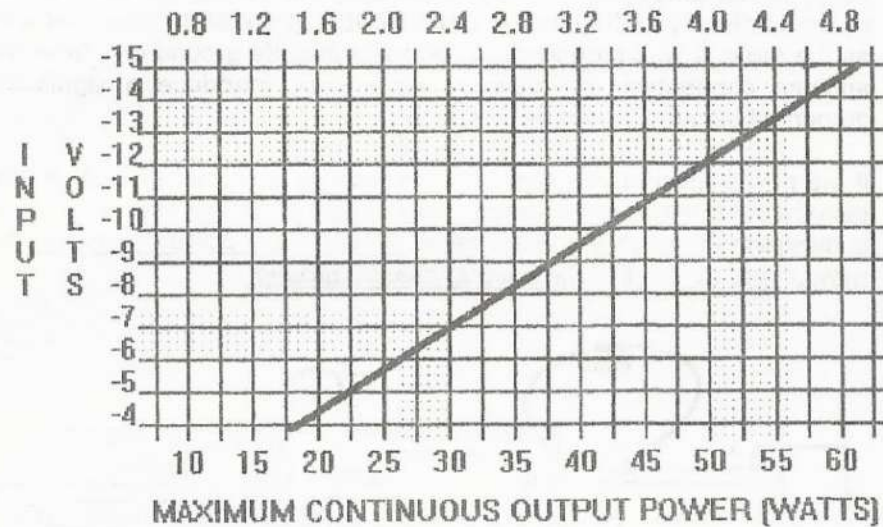


MAXIMUM OUTPUT CURRENT (AMPS)



We also manufacture Voltage Boosters for operating 12 volt accessories on 6 or 8 volt negative ground systems. Call us for a free catalog of all our auto radio products.

NOT RECOMMENDED FOR: Power actuated door locks, trunk release solenoids, air conditioner clutches, fans, blowers, power windows, or other electromechanical devices. Will not work in negative ground electrical systems.

PRICE: \$99.95 plus shipping Florida residents add sales tax Dealers furnish certificate

ANTIQUÉ AUTOMOBILE RADIO INC.

700 Tampa Rd., Palm Harbor FL 34683 (USA)
1-800-WE FIX AM OUTSIDE USA (727) 785-8733
FAX (727) 789-0283

OWNERS MANUAL

INSTALLATION AND OPERATING INSTRUCTIONS



PGPI-HC POWER INVERTER FOR POSITIVE GROUND SYSTEMS

ANTIQUÉ AUTOMOBILE RADIO, INC
Quality Products Create Demand!

PGPI-HC SPECIFICATIONS and INSTALLATION INSTRUCTIONS

The PGPI-HC Power inverter will operate 12 volt negative ground accessories from 6, 8 or 12 volt positive ground electrical systems. It uses a common ground, so isolation is not necessary, and since it is a very efficient design, its current draw is negligible when no load is applied. Unlike conventional inverters which use a transformer, it can be used for memory maintenance or alarm systems in the standby mode for long periods of time without discharging the vehicle battery. Quiescent current draw is about 10 milli-amps.

The inverter is a cube 1-3/4 inches on each side. Due to its very small size, it can often be mounted directly to the accessory it is intended to operate.

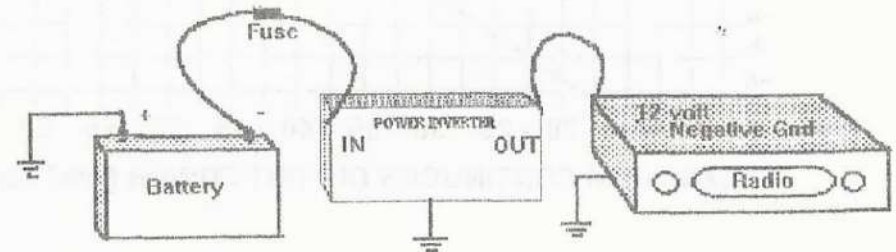
The PGPI-HC Power inverter is designed to operate with any input voltage from -4 volts to -16 volts. It is protected against reverse polarity, overload, and short circuit. Note: **FOR CONTINUED PROTECTION, NEVER REPLACE THE INPUT FUSE WITH ANYTHING GREATER THAN A 6 AMP FAST ACTING (3AG TYPE) FUSE!**

The maximum output power is a function of input voltage. As shown in the chart on the back page, the greater the input voltage, the greater the output power will be. When used in a 6 volt system, it can continuously supply about 2.1 Amps, or 26-1/2 watts. You should know the average and peak power requirements that your radio or other accessory will require. Brief excursions above the maximum output rating will not damage the power inverter, but may result in reduced output voltage while the overcurrent condition exists. For 12 volt systems, the available output power is increased considerably, and the power inverter can power loads up to 4 amps continuously. When using the chart, keep in mind that a 6 volt system that is working properly actually operates at 7.2 volts when the engine is running. 12 volt systems actually operate at about 14.4 volts.

INSTALLATION: Using the mounting screw and lock washer provided, fasten the base unit directly to a metal (grounded) surface behind the dash or in any convenient location. The power inverter must have a good ground to operate properly! If it is not possible to directly attach the power inverter to a grounded metal surface, the wire provided may be run from the case screw to vehicle ground. Connect the wire with the fuse to the ACC terminal of the ignition switch or the RADIO terminal of the fuse block where applicable. Connect the other wire to the accessory you intend to operate (see illustration below). Turn the accessory off, then

turn the ignition switch on. Check the output voltage - it should be about 12.6 volts with no load. Now turn on the accessory. The output voltage should not change if the maximum output power (see graph on back page) is not exceeded. As an alternative, the power inverter may be mounted directly to the case of the radio it is intended to power as long as the radio is well grounded. If the radio gets its ground only from the antenna connection, the power inverter may introduce a significant amount of background noise.

If the power inverter is operated at or near its maximum rating, it may become fairly warm to the touch. This is normal as the switching power is dissipated through the metal case. Never apply power to the inverter without first connecting the case to chassis ground!



ONE YEAR LIMITED WARRANTY: The PGPI-HC Power Inverter is warranted in entirety against defects in materials or workmanship which develop for any reason whatsoever, except abuse, within one year from date of purchase by the original purchaser. In the event a defect develops during the warranty period, Antique Automobile Radio, Inc. at their election will repair or replace the Power Inverter with a new or reconditioned model of equivalent quality. In order to obtain performance of any obligation of Antique Automobile Radio, Inc. under the warranty, the original purchaser must return the defective Power Inverter postage prepaid to: Antique Automobile Radio, Inc. Warranty Repair Dept. 700 Tampa Road, Palm Harbor, Florida 34683. The seller cannot control the use of the power inverter, therefore, the seller makes no warranty, express or implied, other than replacement of the Power Inverter. The manufacturer shall not be liable for loss of use of the Power Inverter or other incidental or consequential damages, expenses, or economic loss or for any claim or claims for such damage, expenses, or economic loss. It is the buyer's responsibility to determine the suitability of this product for his particular application.

For radios requiring a separate, always "hot" input for memory or clock functions, order our Memory Maintenance Module. Specify for 6 or 12 volt system.