



STAR ONLINE PUBLICATION



Case Number: S1908000028 REV A.

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Symptom/Vehicle Issue: Power Inverter Load Ratings

Customer complaint/ technician observation: Owner inquiry for load ratings and use with medical equipment. Sales codes, JJN/JKV.

Discussion:

Power Voltages:

POWER	VOLTAGE RMS	AMPS RMS	FREQUENCY
400W	120V	5.0 A	60 HZ

The DC/AC Inverter ground input shall be dedicated to the vehicle battery and rated for 20A for 150W and 43A for 400W.

DC/ Inverter is used to convert 12 Volts supplied by the DC vehicle battery to an AC output voltage of 120V AC RMS / 60Hz (NAFTA Market) with a peak power rating 400 Watts for customer use. Such DC/AC Inverters are intended to power user loads of convenience type small appliances.

OEM factory inverters use a modified sine wave and medically sensitive devices typically work with full sine wave; use of medical equipment is not recommended.

Note: Operating any inverter at its max rating is usually ok for a short period but can heat the inverter up and cause a reset. *"The power inverter is designed with built-in overload protection. If the power rating of 150 Watts is exceeded, the power inverter automatically shuts down. Once the electrical device has been removed from the outlet, the inverter should automatically reset. If the power rating exceeds approximately 170 Watts, the power inverter may have to be reset manually." To reset manually, cycle the ignition off, complete a vehicle sleep cycle (door open) and then closed.*

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found