

Owner Manual

M150 - M350



DC/AC POWER INVERTERS

Congratulations! You have purchased one of the most sophisticated and reliable power inverters of the industry. Incorporating the latest technologies, it will deliver years of trouble free operation for your truck, boat, RV or other "OFF Grid" system.

In order to get the most out of your inverter, it must be installed and used properly. Please thoroughly read this manual before installing and using your new inverter.

1. INSTALLATION:

M150: Insert the specially designed plug into the cigarette lighter socket of your vehicle. Then push the ON/OFF button located on the front panel, in order to make it work. A green light will light up to indicate that your inverter is now ready to provide current. You may now use it.

WARNING! IT IS EXTREMELY INADVISABLE TO INCREASE THE AMPERAGE OF THE "IN-DASH" FUSE; THIS WOULD OVERHEAT YOUR VEHICLE'S WIRING AND RESULT IN A FIRE.

M350: **Total consumption up to 240W:** Most of the vehicle lighter plugs allow a consumption up to 240w (20A @ 12 VDC). Install the specially designed plug to the terminals located on the rear panel of your inverter and insert the plug into the cigarette lighter socket. Then push the ON/OFF button located on the front panel, in order to make it work. A green light will light up to indicate that your inverter is now ready to provide current. You may now use it.

Total consumption up to 350W: In order to use the inverter at its full capacity, you must use the cables with the alligator clips or by connecting the inverter permanently to one battery using a good quality AWG #8 cable and a 30A fuse (12 feet of distance maximum).

CAUTION! THIS STEP REQUIRES SKILLS AND CAREFULNESS.

CAUTION! REVERSING THE POLARITY WHEN CONNECTING THE DC CABLES WILL PERMANENTLY DAMAGE YOUR INVERTER. THIS IS NOT COVERED BY THE WARRANTY.

2. MAINTENANCE:

An inverter doesn't require a lot of maintenance to work properly:

1. With a dry cloth, clean the outside of your inverter and its environment periodically in order to prevent dust accumulation inside its circuits.
2. Your inverter must never be exposed to any liquids. If this occurs, have it inspected by a qualified technician before use.
3. DC input bolts must be verified periodically and tightened if necessary.

CAUTION! MAKE SURE TO UNPLUG YOUR INVERTER FROM ITS POWER SOURCE BEFORE DOING ANY KIND OF MAINTENANCE.

M150_M350-GD-0515-EN

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3. SPECIFICATIONS

Model	M150	M350
Type	Power Inverter	Power Inverter
Grade	Professional	Professional
Part number	TUN112001	TUN112002
Electrical specifications		
Continuous output power	150W	350W
Peak output power	300W	700W
Input voltage (nominal)	12 VDC	12 VDC
Operating input voltage	10-15 VDC	10-15 VDC
Output voltage	120 VAC +/- 3%	120 VAC +/- 3%
Output frequency	60 Hz	60 Hz
Output wave form	Modified	Modified
DC efficiency (Peak)	90%	90%
AC efficiency (Peak)	90%	90%
General Specifications		
AC outputs	1 x NEMA 5-15R	1 x NEMA 5-15R
Operating temperatures	-30° to 131°F	-30° to 131°F
Cooling fan(s)	Thermostatic	Thermostatic
Construction	Aluminium	Aluminium
DC inputs	Lighter plug	Lighter plug + Alligator clips
Unit dimensions (W x L x H) - English (in.)	6,1 x 3,4 x 2,2	6,9 x 3,4 x 2,2
Unit dimensions (W x L x H) - Metric (cm.)	15,5 x 8,6 x 5,6	17,5 x 8,6 x 5,6
Unit weight (Lbs / kg)	1,1 / 0,5	1,3 / 0,6
Warranty	1 Year	1 Year

4. WARNINGS

1. The M150 & M350 only work with a 12 volts DC source.
2. When you stop using your inverter, it is strongly recommended to unplug the unit from its power source.
3. The inverter should always be OFF when starting the vehicle.
4. If your consumption is over the inverter capacity, an over load protection will automatically turn off the unit. To restart the inverter, reduce your consumption. If the inverter doesn't resume automatically, shut off the unit and restart it manually using the ON/OFF button located on the front panel.
5. Stop using the inverter if the 12 volts power cord has been damaged or loosen. Have it repaired before using it again.
6. Your inverter could get very hot. Make sure there is no flammable materials near the unit.
7. Keep the inverter away from liquids, snow or any other source of humidity. The electricity produced by the inverter can create an electric arc in presence of humidity and cause serious injuries or even death.
8. If the inverter has been exposed to rain, moisture, or strong impact, have it inspected by a qualified technician before use.
9. We strongly recommend using a «pure sine wave» inverter for your sophisticated electronic devices.

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