

Owner Manual

M600 – MODIFIED SINE WAVE



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 & FUNCTIONNING

The M600 has been designed for special applications that are pre-wired. An electrical circuit capable of supporting 60A @ 12 V is mandatory. You must make sure the circuit is properly fused.

This inverter must be permanently installed on a flat and even surface using its mounting flanges. *The hardware should be strong enough to support the weight of the inverter. The inverter may be mounted on a vertical surface as long as the cooling fan is pointing left, right or up (it must never point down). The M600 is equipped with 1 meter cables with terminal lugs at each end. Make sure to respect the polarity of each cable.

To operate the inverter, use the ON/OFF switch located on the front panel. A green light will light up to indicate that the inverter is now ready to deliver 120 volts power. If you intend to operate several loads from the inverter, we recommend to switch them ON one by one up to the maximum capacity of the inverter. This will prevent the inverter from being overloaded by the current inrush required to start all the devices simultaneously.

CAUTIONS!

1. The installation of this product requires skills and carefulness. For your safety, we recommend to have this product installed by a certified installer.
2. Do not insert any object in the inverter; it may cause fire, electric shock or short circuit.
3. To avoid fire hazards and/or overheating; do not install the inverter in a zero clearance compartment and do not cover or obstruct any ventilation openings.
4. This equipment contains components that may produce arcs or sparks. To reduce the risk of fire or explosion, do not install in a compartment containing batteries or flammable materials, or in a location that requires ignition protected equipment.
5. Reversing the polarities when connecting the DC cables will permanently damage your inverter. This is not covered by the warranty.

2. MAINTENANCE

A power inverter only requires minimal maintenance to work properly:

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

CAUTION! Never use water of any type of liquid to clean this product. The electricity produced by this inverter can create an electric arc in presence of humidity and cause serious injuries or even death.

M600-GD-0615-EN

Owner Manual

M600 – MODIFIED SINE WAVE



DC/AC POWER INVERTERS

3. SPECIFICATIONS

Model	M600
Type	Power Inverter
Grade	Professional
Part number	TUN112003
Electrical specifications	
Continuous output power	600W
Peak output power	1200W
Input voltage (nominal)	12 VDC
Operating input voltage	10-15 VDC
Output voltage	120 VAC +/- 3%
Output frequency	60 Hz
Output wave form	Modified sine wave
DC efficiency (Peak)	90%
AC efficiency (Peak)	90%
General Specifications	
AC outputs	2 x NEMA 5-15R
Operating temperatures	-30° to 131°F
Cooling fan(s)	Thermostatic
Construction	Aluminium
DC inputs	1 meter cables w. lugs
Unit dimensions (W x L x H) - English (in.)	9,3 x 5,0 x 3,3
Unit dimensions (W x L x H) - Metric (cm.)	23,6 x 12,7 x 8,4
Unit weight (Lbs / kg)	4,0 / 1,8
Warranty	1 Year

4. RECOMMENDATIONS

1. The M600 only works with a 12 volt DC source.
2. The inverter should always be OFF when starting the vehicle.
3. If your consumption exceeds the inverter capacity, an overload protection will automatically turn it OFF. To restart the inverter, reduce your consumption. If the inverter doesn't resume automatically, shut it and restart it manually using the ON/OFF switch located on the front panel.
4. Stop using the inverter if the 12 volt power cord has been damaged. Have it repaired before using it again.
5. This inverter could get very hot. Make sure there is no flammable materials near or around it.
6. 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.
7. If the inverter has been exposed to rain, moisture, or strong impact, have it inspected by a qualified technician before using it again.
8. We strongly recommend using a «pure sine wave» inverter for sophisticated electronic devices.
9. Do not attempt any repair or modification on this product. If your inverter requires attention, contact your retailer.

M600-GD-0615-EN