

SUB 14553

DC TO AC POWER INVERTER MODIFIED SINEWAVE OUTPUT 140W
INSTRUCTION MANUAL

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INSTRUCTION MANUAL

Run notebook computers, lamps, stereos, mini CD player, radio, power tool, battery charger, stereo amplifier, fax and so on.

•• Please only use the appliances that meet the specification as below. ••

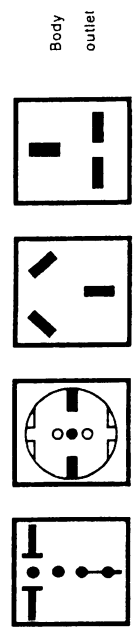
1. SPECIFICATION:

Output power	140W continuous	
Output surge power	280W	
Input voltage	10~15Vdc	
Output voltage	220/230/240 Vac	
Output frequency (Hz)	50/60±2 Hz	
Output wave form	Modified Sine Wave	
Stand by current (A)	<0.4A typical	
Efficiency (%)	>82%	
	High battery shutdown	15.0±1.0 Vdc
	Low battery shutdown	9.5±1.0 Vdc
	Thermal protect	60±10 °C
Protections	Reverse polarity protect	By fuse
	Output short-circuit protect	By electronic circuit
Fuse	Soft Start	Yes
		15A
Dimensions(L*W*H) in (mm)	165*68*69	
Weight(N.W./G.W.)	13oz(365g)/16.3oz(463g)	

LED instruction :

Normal	Green light
Overload Output short	Red light
Hi-voltage Low-voltage Over temp	LED off

2. OUTPUT RECEPTACLES:

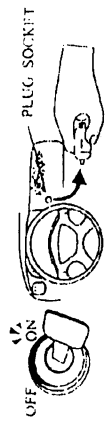


3. STRUCTURE:



4. OPERATING:

a. Connect the cigarette plug to the cigarette receptacle of car or yacht, or let the battery cable connect with the battery. Plug your appliances into the AC receptacle of the inverter.



- b. When connected to any appliances, be sure to turn on the inverter before you switch on the appliance.
- c. Do not connect the 12V inverter with 24V or 48V battery
- d. Do not connect the plug before you start your car or yacht engine.

5. TROUBLESHOOTING:

If the inverter does not work properly, there are several reasons specified as below

- a. Poor contact
Clean contact parts thoroughly.
- b. AC receptacle has no power or LED indicator is blank
Check the fuse of the inverter (located inside the DC cigarette plug in) and car fuse, replace fuse if damaged.
- c. Fuse is blown.
Replace fuse with a fuse of equivalent value.
- d. Overload or a short circuit causes on output, the AC output power will be shutdown to prevent the damage.
Reduce the load below 140 watts or check if the appliance is under short circuit.
- e. Over temperature causes AC output shutdown under heavy loads for extended period of time, the AC output power will be shutdown to prevent the damage from over temperature. In this case proceed as below:
 - Switch off the inverter
 - Wait until the inverter becomes cool.
 - Switch on the inverter.

f. Low battery shutdown: Recharge your battery and resume operation.

- * * Any shutdown caused by protection needed to wait for 2~3 seconds before restart the inverter. * *
- * * If all of the above fail to operate the device, please return the unit to the manufacturer. Do not individually open the case or take out the electric cable. * *

6. CAUTIONS:

- Always place the inverter in an area that is:
 - a. Well ventilated
 - b. Not expose to direct sunlight and heat source.
 - c. Out of reach from children.
 - d. Away from water, moisture, oil and grease.
 - e. Away from any flammable substances.
 - f. After using, please do not touch the metal part of the cigarette lighter to avoid serious burnt.
 - g. When you take the inverter, please hold the inverter, entity itself, do not pull or pluck the cigarette cable

