

DC TO AC POWER INVERTER

Model: PM-0150L-12
PM-0150L-24
~ CE, LVD APPROVALS ~

Keep this file for future reference:

This instruction manual will show you how to install, operate and maintain PM-150L DC To AC Power Inverter, PURE Sine wave. Please read this carefully and keep this file for future reference.

Max output continuous & Max surge power:

What's the meaning of the "Max output continuous" & "Max surge power" is that some appliances or tools, such as ones with a motor, require an initial surge of power to start up (max surge load or max peak load). Once started, the tool or appliance requires less power to continue to operate (max output continuous load).

★Helpful formulas:

Multiply: Amps * 120 or 230 (AC volt.) = watts

Multiply: Watts * 2 = surge power

This formula yields a close approximation of the surge power of the appliance.

What type of battery should I use?

For above-mentioned models: most automobile and marine batteries will provide an ample power supply for 30~60 minutes even when the engine is off. Actual time depends on the age and condition of battery. We recommend you to start the engine every hour and let it run for 10 minutes to recharge the battery.

Available Appliances:

It is suitable for the electrical appliance that power consumption is not excess overload, like: Notebook, TV set, Video game, fan, Karaoke, Emergency lighter...etc.

Maintenance:

1. Remember to pull all the plugs out of the socket when cleaning and clean inverter with dry cloth only

★CAUTION: Water is not acceptable.

How to use PM-150L inverter:

★★ CAUTION ★★

1. Please do not use if the DC input source is not 12Vdc / 24Vdc, appliances is not 110Vac / 230Vac.
2. When you stop using it, please pull out the plug. Due to the temperature of the metal part is still high, don't touch the plug by hand or place it near any flammable and easy-melting materials.
3. Under Voltage Protection system will be automatically shut off the inverter if the input voltage is too low. Please start your car engine to charge the battery, or stop using it.
4. Please pull out the plug from the cigarette lighter hole when starting the engine.
5. If the consumption power is over inverter itself when starting the tools, Over Load Protection system will be automatically shut off the inverter.
6. How to use Cigar plug or Alligator clip:
 - (1) Cigar-Lighter: Use with the electric equipment which under 150 Watt output.
 - (2) Alligator clips: Use with the electric equipment which over 150 Watt output.
7. We recommend using sine wave inverter on the sensitive test equipment.
8. Stop to use the inverter if the power cord/plug has damaged or loosen.
9. Do not put any object into the inverter, it may cause fire, electric shock or short circuit, if there is any abnormal noise, smell or smoke, please turn it off immediately, then contact your retailer.
10. Do not place any heavy object on the inverter or the power cord. Do not use it when the power cord is in a coil or distorted.
11. Do not allow water drip or splash on the inverter. Do not touch the case or the plug by wet hand.
12. Do not attempt to remake the structure or the power cord, it may cause electric shock or fire, please contact your retailer for internal checking if it is necessary.

Put the cigar plug into the cigarette lighter hole in the car (DC12v or 24V). Turn on the power switch; LED indicator will be light up. Then connect the electrical appliance to your inverter. Green LED will flush when the fan works. If 150L stop working then Red LED will flush.

★**CAUTION:** Make sure positive pole of DC clip (**Red wire +**) connect to positive pole of car battery (**Red wire +**).

Unpack and inspection:

Before you start to use, please inspect this carton should contain the following items:

- Power Inverter
- User's manual
- Cigar plug

★**CAUTION:** If you have no any of above-mentioned items after unpack, contact with local dealer immediately.

Pure Sine Wave Inverter

Model No.	PM-0150L	PM-0350L	PM-0650L	PM-1000L	PM-1200L	PM-1800L	PM-3000L
Continuous Output Power	150w	350w	650w	1000w	1200w	1800w	3000w
Output Power Surge	500w	1050w	1950w	3000w	3600w	5400w	9000w
AC Output Voltage	100 ~ 120v ±5% 200 ~ 240v ±5% adjustable		100 ~ 120v ±1~2% 200 ~ 240v ±1~2% adjustable				
Output Voltage Regulation	-5%~+5%		-1.5~+1.0% All models				
Output Frequency	50Hz / 60Hz ± 0.5%						
Output Wave Form	Pure Sine Wave < 4% THD		Pure Sine Wave < 2% THD				
Efficiency (Full Load)	>80%						
No Load Power Consumption	<5W		<4w (In power saving status)				
Input Voltage Range	10~16 VDC / 20~30 VDC / 40~56 VDC						
Power Saving Recovery Time	N/A		1 Second				
LED Status Indication	RUN, trip. LED All in one	Power ON/ OFF, RUN / STAND BY, High / Low Battery Shutdown, Over Temperature, Shutdown, and Over Load Shutdown					
Protection Feature	Input High/Low Voltage, Over Temp. and Reverse Input Polarity (Fuse). Over Load, Short Circuit Shutdown, Restarts, Soft Start						
Remote Control	N/A		ON / Off Switching with 3M or 15M wire				
Operation Temperature Range	0~50°C (32°~ 122°F)						
Storage Temperature Range	-30°C ~ 70°C (-22°C~58°F)						
Dimensions (L x W x H) mm	220*130*90	240*280*115	350*283*115	350*283*115	450*280*115	383*280*182	543*280*182
N.W. – 12V (kg)	2.6	5.8	9.1	10.6	15.8	17.4	26.4
G.W. – 12V (kg)	5.2	9.4	12.5	13.5	20.5	24.5	33.2
N.W. – 24V (kg)	2.6	5.8	9.1	10.6	16.5	16.7	23.8
G.W. – 24V (kg)	5.2	9.4	12.5	13.5	23.5	23.3	29.2