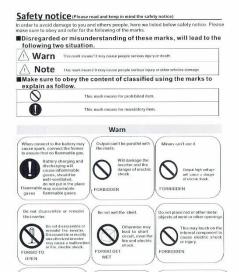
# **PURE SINE WAVE INVERTER MANUAL**



In order to ensure reliable service for you, inverter must install and use properly Before install and use, please read the installation and operating instructions.some conditions of use and practices may possibly lead to inverter damaged we advise you with caution. caution certain use conditions and practices that could cause bodily injury, as a clear warning statement. Before using the inverter please read all of the prompts.

Please read this manual in order to achieve the right to use. Particularly in the use, Please remember to read "Safety Precautions" section, to ensure safe use. After reading the instruction manual Please together with warranty card proper care, to the retained for future reference.



Safety notice

Do not damage the output sockets or wires

Do not cut, remodel, close to the fire, over-distorted, reversed, wring and pull wires, or placed outlet weigh on wire or sockets.



When using thid machine, pleas do not bundle wires. Use the broken wires can cause electric shock, short circuit or fire.

## ATTENTION

In power, do not let the load and to type in the loop.



#### ATTENTION

- In connection action through to used to install the appropriate cable, if the 200V output cable is too long in the open conductation as in this major program and the cable a lange number of cable power loss the long performance as for power, flow collaps.

  Battery and inventor connection cable and met standerized, cable is to long, consequential area is too small, its connection parts of contact short, and even turn on does not work give a alumn. Makemahlis, cable must be weetlepoor, installed scheduling cable development of the cable of the cab

#### Applied to the following product:

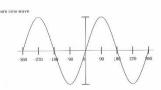
Bulb, fluorescent light, rice cooler, electric iron, desktops computer, laptups, Computer display, fax machines, printers, ICD TV, TV, fans, DVD machine, cell phone charges, electric drill, electric iron, washing machine, har dryet, ampfiler, music centre, vulnwoeder air conditioning and so on.

#### Introduction of performance

#### **Environment** for use

Invertor is a power equipment that can change DC(plotrage battery, solar cells, which dynamo, etc.) to AC, the invertor use high-frequency power convention technology, and use the ferrite transformer included of the did bulky allows shed transformer. That is why power inventor is lighter, smaller than other similar invertor. When the exister contag in exister mode, the output execution is see some.

Pic1: Output sine waveform



#### Environment for use

In order to get the best using results, please put the inverter in flat surface, such as the ground, car floor, or other solid surface which can easily fixed the inverter's power cord. The working place should meet the following criteria:

- Keep dry, should not let the inverter contact the moisture or water.

- modular of remets.

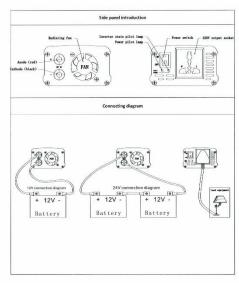
  Cool environment, keep the temperature between O Celalus degrees, fino condemsalien) and 40 Celalus degrees. Do not put the inverter next to heat venter cred to heat venter cred to rest venter cred to heat venter cred to heat venter cred to heat venter cred to heat venter cred be shreed descelely by the sumshine.

  3. Vernitation. No objects block around, and keep free flow of the sir. Do not put anything on the inverter when it was weeking, because the final in ledg to notalisting.

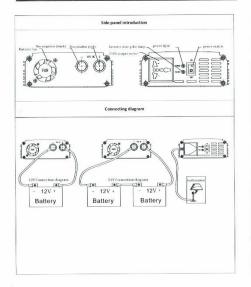
  4. Safety, Do not use inverter near the place of Elamenable materials or accumulate flammable grassis. The battley is not only to provide at 11% of 13°U Covidings also provide sufficient load operating control of the control of the size of the control of the cont

For example: an AC load power is 100W, the power supply must provide a current of 100/10=10A. If you need large current, you can use a few betteries in parallel. The most important is to ensure that there is sufficient cross-accional area of the connecting caller. This remainst carrie tail of the battery contributions. Buffery change and battery configuration are other areas of expertise.

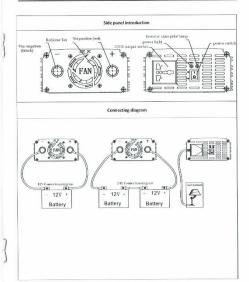
# Installation and use method



#### Installation and use method

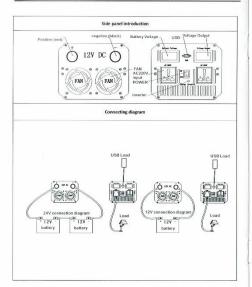


#### Installation and use method



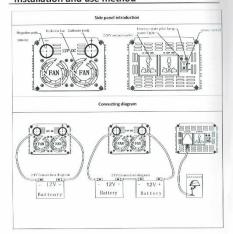
6

### Installation and use method



Installation and use method

7



- Installation connection steps: (clease refer to the above connection diagram

  1, Turn off the inverter power.

  2. Use the black DC cable to connect the negative pole of the battery and the black post head of the inverter.

  3. Use the red DC cable to connect the positive pole of the battery and the red post head of the inverter.

- mantle steps:
  Turn off the inverter power.
  Disconnect the power plug.
  Dismantle the red DC cable.
  Dismantle the black DC cable.

Installation and use method others

Notes: the connecting diagram only for basic reference, please contact with the professional technical personnel for the actual anstallation.

Inventor can be use one or more basicles. Use of 1994 for diagnet belatery is best.

Notes: because these processes may have to connect the battery, before connecting you must ensure that no flammable gas around.

Use the cable of invertor equipped with (not including high-power mode cable) to connect the invertor and battery, the red cable connect to the red poot head of the invertor input terminal and the positive terminal of the battery. Make sure all connections sold and reliable. Improper cable connections may result in event-inality, post head and lad gardange. At the same time will encode battery time. The inverter node data to switch ON. If you'r battery is fully charged situation, POWER LD gives green before. If the light change to red, threat shere's something wornly with the inverter. Should find a way to salve before use it (check the battery voltage is too low, the inverter output is overheaded or about crosset).

12V inverter power source can be a 12V battery, or a few 12V battery in parallel to increase the battery power supply time.

Notes: The inverter required to connect the same voltage battery, 12V inverter to 12V battery, 24V inverter to 24V battery.

In the plug all your electrical equipment patch, make sure that all equipment is turned off.

Turn on the inverter mode switch, LED below POWER glows green, then your device can be opened one by one. If your device does not overload, it can be work normally now. If the LED light change to it means overloaded. You need to reduce the load, then re-start to work.

### Characteristic (inverter mode)

Inverters are equipped with perfect protection circuits. Provide sale automatic shuddown function, including prounding protection, be voilage airms to prevent damage to your testery. Inverters with automated anti-jamming technology, fully functional protection circuit and soft start circuit, convenient mode of operation. Protection circuit is automatic, Overtonad protection, input over-valtage protection, input low-voltage protection, over-temporature protection. Soft start circuit has the function of gradually raise the output voltage when startup to eliminate odd start faiture. And also has the function of instantaneous output voltage drop and fast recovery to reduce the load body instally voerbuid.

Warning: non-professional and technical personnel, please do not open the inverter shell.

### **Other Frequently Asked Questions**

#### Operation tips

Rated current, and the actual used equipment. The nominal current or power of most electromotive tools, house-hold appliances and audio explained, in the range power of must lover, but when they state of a will cookered overfload protection phenomenon, howeter most flack by to drive resistive load a said underlying power supply load, Because the resistive load is linear food that can be work with full load. Such as decide sleve, rice cooler, LOD TVs and other devices.

cooker, LCD1 Vs and other devices.

Some audio -visual equipment and electromotive tools need more power than the resistive load to work, just tike an asynchronous motor, CRT TV, compressors, pumps and so on. They need 2 to 6 times of the operating current to start. Whether it can run a specific load depend on the subject test.

Note: under normal circumstances, the fuse will not burn, unless a serious fault please don't try to repair the invertor when it can not work please contact the professional technical personnel of the processing machine with high risk, there will bi an electric shock.

### Frequently Asked Questions

Power tools and microwave ovens can't start	Read the parameter of the high - power equipment carefully and make sure thif the input power and output power can be enough to support the equipmen and the microwave ovens, please remember that the electro tools may needs 2 to 6 times power.						
Television interference	The inverter just has 886 interference to the TV signal. But in some case, it will have interference, isceptically when the TV signal is poor.  I. Let the inverter away from the TV anterwa as possible or lengthen the TV anterna cable.  2. Adjust the placed direction of the inverter.  3. To creasure that the signal strength the anterna supply to the TV is str on enough, and it us a good sharking effect and your durally anterna cable.  4. When you watch TV, do not on the high power effectives requirement or the power of the transport of the TV is the T						

Note: under normal circumstances, the fuse will not burn, unless a serious fault, the faults occurred in the inverter, please don't try to repair, please contact the professional technical personnel of the processing machine with high risk, because it may cause an electric shock.

### The machine equipped accessories

Manual

A pair of DC connection cable(Optional) Warranty card

# Technical parameters

	Model	150S	3006	500S	£00S	8005	10008	15006	20005	30006	50005		
Output	Output voltage	AC20W±36											
	Output power	150W	300V	500A	6004	500V	10004	1500V	20008	3000V	5000V		
	Peak power	3008	500N	1000%	12007	16007	2000V	3000V	40000	6000V	100000		
	Frequency	5002											
Input	No load current	< 0.64, < 0.34	<0.54, <0.38 <0.24	<0.7\(\lambda\) <0.44 <0.24	< 0, 7\(\lambda\), < 0, 4\(\lambda\) < 0, 2\(\lambda\)	<1, 2), <0, 8 <0, 2),	<0.94. <0.48 <0.28	<1.40, <1.60	<3,24, <1,44	<3.50, <2.14	<1.54, <0.8/		
	Working voltage	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC24V, DC48V		
	Voltage range	10-157, 20-307	10-15V, 20-30V 40-60V	10-15V, 20-30V 40-60V	10-15V, 20-30V 40-60V	10-15V, 20-30V 40-60V	10-15V, 20-30V 40-60V	10-157, 20-307	10-15V, 20-30V	10-15%, 20-20%	20-307, 10-607		
	Low voltage alarm	118, 219	118, 218 428	117, 217 427	11V, 21V 42V	11V, 21V 42V	11V, 21V 02V	10.5V, 21V	10.5V, 21V	10. SV, 21V	217, 427		
	voltage protection	107, 207	107, 207 407	107, 207 401	10V, 20V 40V	10V, 20V 40V	107, 200 407	107, 20V	10%, 20%	107,207	307, 407		
	Over voltage protection	157, 367	15V, 30V 60V	15V, 30V 60V	15¥, 30% 60¥	15V, 30V 60V	15V, 30V 60V	15.57,317	15. SV, 31V	15.5V, 31V	307, 607		
	Maximum efficiency	31%											
Product size		166495455m	172#150#59m	260×150×76mi	262*150#76mi	309#182#142m	367#150#76m	384*180*142m	454*180*142mi	529#180#142m	632*180*142m		
Veight		510g	940g	1700g	1710g	3050g	2750a	4400g	3750g	8020g	7190g		