

# DIC

"Your Leader in Power Solutions"



## CBS500

MODIFIED SINE WAVE  
CAR POWER INVERTER

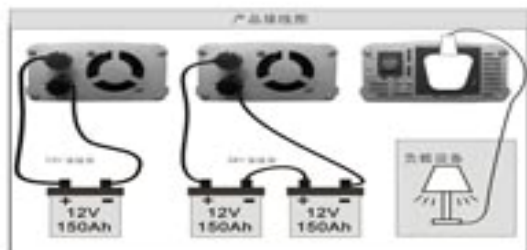
Thank you for purchasing the Power inverter. The power inverter is an ultra compact and highly portable power inverter from the leader in the field of high frequency inverter design. From the 12-volt outlet in your car to boat or other electronically equipment, the power inverter will reliably power a widely of household AC products, such as portable stereos, laptop computers, mobile photo and so on. The power inverter is design to provide you convenience that has trouble to achieve, including automatic safe protection of the inverter itself and your battery, under the extraordinary overload condition.

Read the guide before installing or using the inverter, save it for further reference.

## ► Placement Guideline

- Dry: no water or get wet in the rain
- Cool: the temperature between 0°C(32°F)and 40°C(104°F)
- Ventilation: at least 2 inches (5cm) clearance above and on all sides if the inverter for proper cooling.

## ► Usage of the Power Inverter



- Turn the inverter switch to(OFF) position, and then plug the inverter DC Plug Into the car cigarette lighter socket, make sure of they are firmly linked.
- make sure the electrical power of the Equipments you use is under the electrical power of the inverter. Plug the AC product you wish to operate into the AC 110V/220V outlet of the inverter and switch it on.
- Switch the inverter on, the green light indicates that it is working normally.
- The red FAULT light indicates inverter shutdown caused by low or high voltage, overload or excessive temperature.
- In many cases, for the limited voltage from the car cigarette lighter, it may shutdown automatically and the FAULT Red light will recover.

## ► Warning and Caution

- The power or 'voltage' rating of AC product is the average power they use TVs, monitors, electric motors, and other equipments are firstly switch on. They consum more power than their power rating, having high 'surge' requirement on staring up. Although inverter can supply momentarily surgte power as high as 40% more (for example, 1000W inverter can supply 1400W for the products you use.) But, the surge power of the equipments you use may be excess of the power supplied by the inverter, causing overload shutdown. Specially happen when inverter supply power to several products at the same time. Then you should switch off the electrical products, switch on the inverter, lastly switch on one by one, the products that has the peak power firstly.
- As the battery charge is using up, the inverter sences DC input voltage has dropped to 10.4-11V,an audio warning will appear. Then the computer or other sensitive electrical appli-ances should be shut down. if you ignore the sound, and the voltage drops to 9.7-10.3V,the inverter will automatic turn-off to avoid battery discharge excessively. Power Protection make it shut down, the red indicator light is turned on.
- Start the vehicle early for battery charging, to prevent its capacity dropping, to the impact on vehicle starting and the battery life.
- Although there is over-voltage protection function of inverter, it may be damaged by exces-sive voltage.
- After continuous use, the shell surface temperature will rise to 60°C, pay ttention to keep ventilation, objects that is susceptible to heat should be kept away from it.

## ► Specifications

Power Rating: 500W

DC Input Voltage: 12/24VDC

Output waveform: Modified Sine Wave

Dimension(L×W×H): 127\*89\*47 mm

CERTIFICATE: CE, ISO9001



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