

ZONHAN TW500 PURE SINEWAVE INVERTER



INPUT/OUTPUT INTRODUCTION

Signal indicator

Green light: normal operation
Red light: failure indication

USB output

Direct current output
mode 1A/5V

Power switch

I: ON turn on (start working)
O: OFF turn off (stop working)

Alternating current output

The socket model is chose by users: 12V/24V/48V switch into 110V/220V ($\pm 10\%$)



SIX PROTECTION FUNCTIONS



OLD AND NEW PERFORMANCE CONTRAST

THE THIRD GENERATION

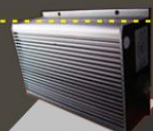
THE SECOND GENERATION

THE FIRST GENERATION

Only run simple resistive loads. Narrow range of use. Short service life!

When need to run load equipment for motors, we feel helpless. Low conversion efficiency.

It can deal with all kinds of inductive load appliances with no pressure, and its service life is more than 8 years.



Quality depends on the details
Professional research and development over 31 years



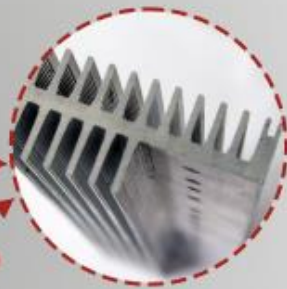
With pure copper and the high density of the copper strip voltage transformer

100% pure copper full power high frequency density coil transformer, output more stability, more safely



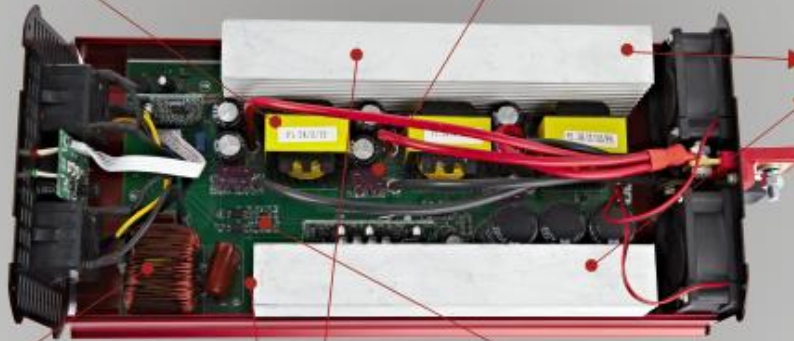
insurance with chip inserted

Load large current, loading safety



cooling fin

Larger full aluminium material cooling fin Heat faster and more efficient



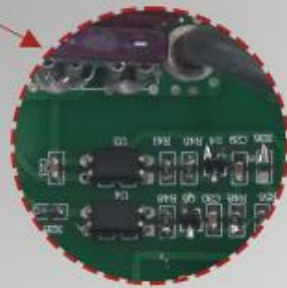
All copper ring

Used to suppress common mode noise, prevent interference signals generated by inverter affects the use of electrical appliances.



Power tube

Import FAIRCHILD IGBT+IR CPU; Performance is more stable, more efficient, Built in cooling silicone, high temperature is not a problem



Circuit board

Use jiantao plate with the SMT patch technology Combined with industrial production conditions, to ensure that the finished product zero error With multiple shockproof function and anti-throw protection function.

INTERNAL DISPLAY AND COMPARISON



Details highlight quality

Professional research and development over 31 years



THE SAFEST DESIGN—THE BUILT-IN FINE COPPER TRANSFORMER

WIN!



VS

FAIL!



built-in two fine copper isolation transformers

To protect the safety of power source is to protect the safety of life.

Other inverters only with simple relay

The transformer with any fine copper can't avoid breakdown—electrical appliances burning.

IF YOU COMPARE OUR PRODUCTS' FUNCTION WITH OTHERS, YOU WILL KNOW WHO ARE BETTER



Pure sine wave inverter can run any common devices which are connected to city power, with stable output voltage and frequency conversion startup function.

Other inverters

Capacitive loads (such as LED flashlight with charging) have impact current at edge of a pulse, causing that it will be damaged by modified/pure sine wave providing power and inductive loads work abnormally.

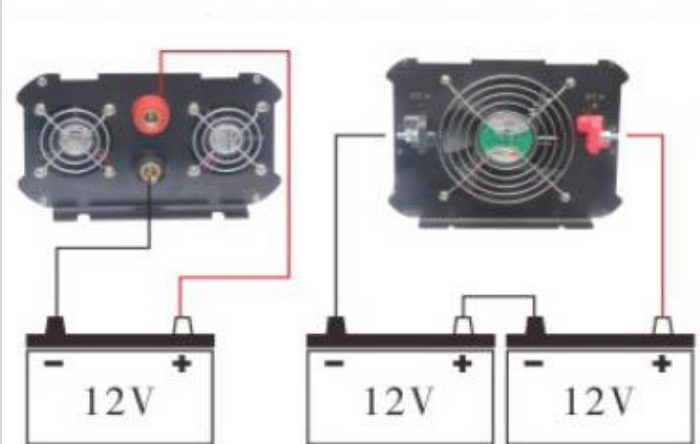
SOCKET AND PLUGS TYPE

 Australian	 Brazil	 South Africa	 German+European
 French	 Spiral American-French	 American-French SS-6E	 American-French SS-6F
 American SS-6B	 American XD-106-C	 American-French WD-601	 Universal
 Universal RQB	 Italian	 British	 Round Australian

You can choose all kinds of sockets and plugs with no worry.



WIRING DIAGRAM.



Model : TW-500		TW-500-12V	TW-500-24V	TW-500-48V
AC Output	Continuous power:	500W		
	Surge power:	1000W		
		120%<load<load</load		
		150%<load<load</load		
	Output Waveform	Pure Sine Wave (THD < 3%)		
	Output Frequency	50Hz±0.1% or 60Hz±0.1% (Optional)		
	AC Output Voltage	100~120VAC / 200~240VAC (Optional)		
DC Input	DC Input Voltage	12V DC	24V DC	48V DC
	Voltage Range	10.8V-15.5V	21.6V-31V	43.2V-62V
	Low Voltage Alarm	10.8V± 0.2V	21.6V±0.4V	43.2V±0.8V
	Low Voltage Shut down	10.2V±0.2V	20.4V±0.4V	40.8V±0.8V
	Over Voltage Shut down	15.5V±0.2V	31V±0.4V	62V±0.8V
Converting Max. Efficiency		90% (Full Loading) / 95% (1/3 Loading)		
No Load Consumption		<0.4A	<0.2A	<0.1A
Protection	Over Thermal:	Shut Off Output Automatically, Temperature >75°C		
	Short circuit protection:	Reverse Polarity (External Fuse)		
	Cooling Fan automatically run	Temperature ≥45°C		
Environment	Working temperature	-10°C~+50°C		
	Working humidity	20%~90% RH Non-Condensing		
	Storage Temperature Range	-30°C~+70°C		
LED Indicator Light		Inverter, Fault		
Packing	Inner Box Dimensions (mm)	315*195*135mm		6 pcs /Carton
	Inner Box Weight (kg)	2.5kg		
	Carton Dimensions (mm)	420*340*460 mm		
	Carton Weight (kg)	15 kg		