



Born for Sun.
Light for You.



5000W Pure sine wave inverter

HES, TS5000 5000W inverter delivers top features and performance at an economical price. It is a pure sine wave inverter, continuous power 5000W. TS5000 has a compact footprint that saves space and simplifies installation – there are fewer components and cables install.

HES inverter's excellent overload capacity ensures that even critical loads can be operated easily.

Features

- True sine wave voltage
- Pure Sine Wave output (THD<3%)
- Peak Power:10000W
- Output efficiency:92%
- Isolated LCD digital color screen
- Inverting(G),Fault(R)
- Intelligent cooling fan
- Excellent overload capabilities
- Best reliability



Protections

- Low voltage alarm, Low voltage cutoff, Over voltage,
- Over temperature, AC Overload,
- AC Output short circuit

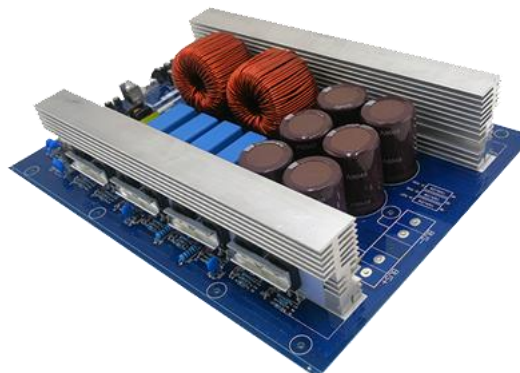
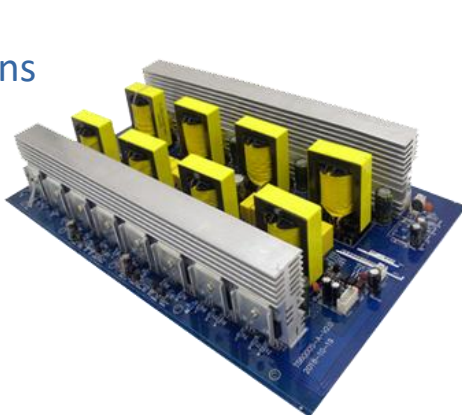
Application

- Household appliance, Power tools,
- Automobile,
- Office and portable equipment, Yacht,



Certifications

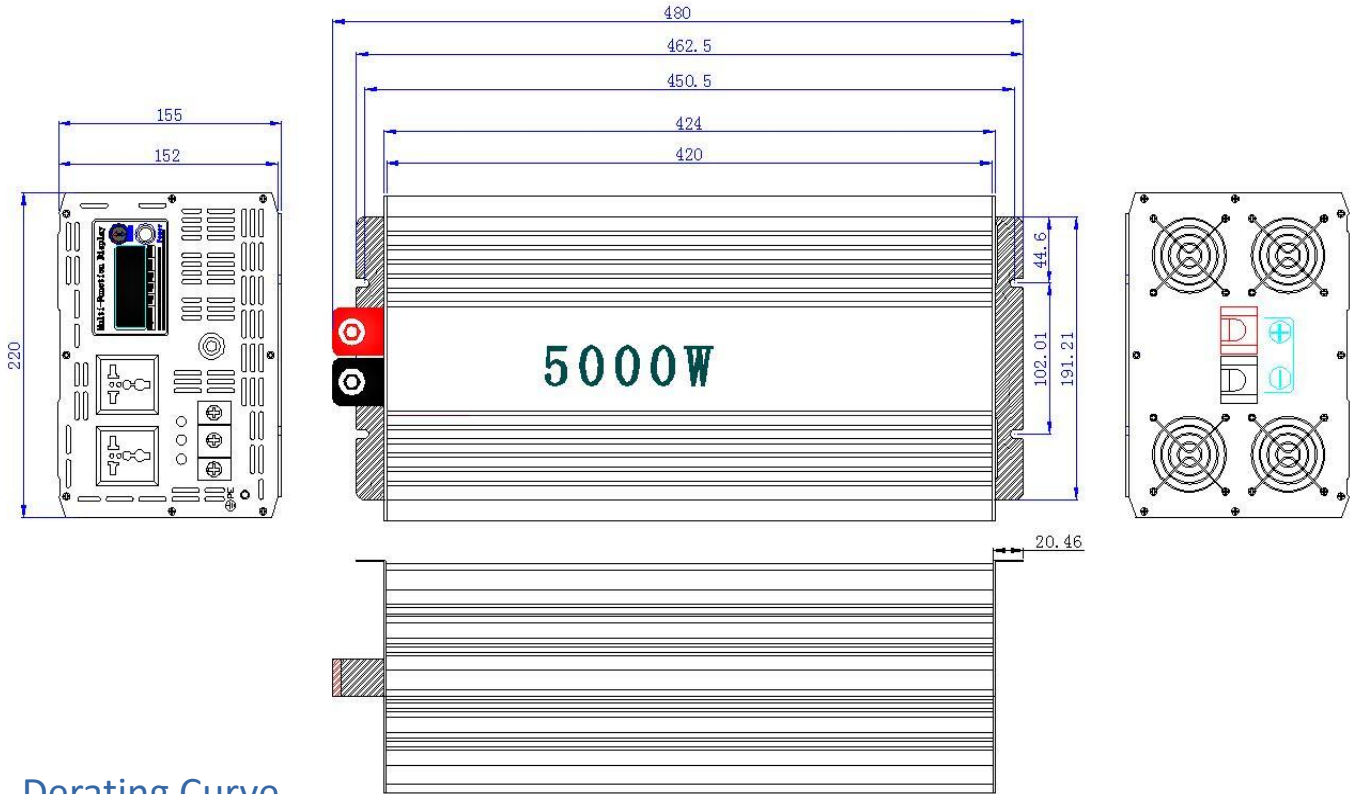
CE ISO9001



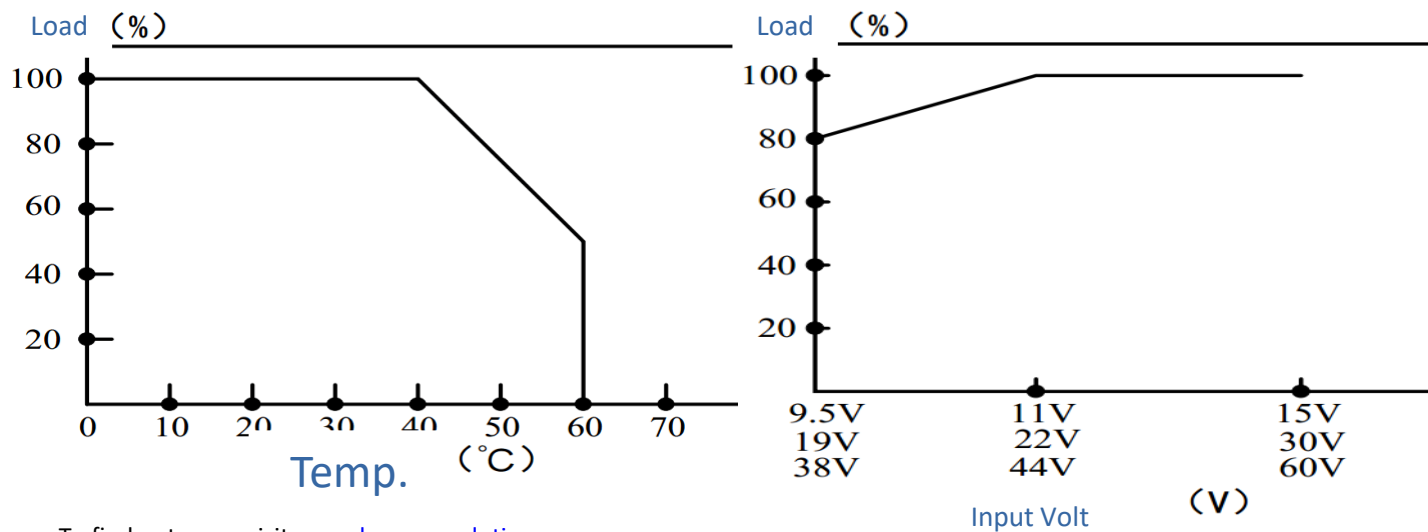
Specification

Model		TS5000-2422□ TS5000-2411□	TS5000-4822□ TS5000-4811□	TS5000-6022□ TS5000-6011□
Output	Rated power	5000W		
	Peak power	10000W		
	AC Voltage	Default setting110VAC		Default setting220VAC
	Frequency(Hz)	60Hz±0.5Hz		50Hz±0.5Hz
	Wave Form	Under rated power , pure sine wave (THD<3%)		
	Panel LED show	(Intelligent digital display) Power % ratio, battery voltage, AC voltage, AC power		
Input	Battery Voltage	24V	48V	60V
	Voltage Range	DC20-30V	DC40-60V	DC50-75V
	DC Current	250A	125A	100A
	No load Current Draw	≤0.8A	≤0.4A	≤0.2A
	Efficiency	90%	91%	92%
	Battery Voltage	Open&sealed lead-acid battery(Customized lithium battery parameter)		
Battery Input Protection	Internal Fuse	30A*16	20A*16	10A*16
	Low voltage alarm	22V±4%	44V±4%	55V±4%
	Low voltage cutoff	20V±4%	40V±4%	50V±4%
	Battery reverse polarity protection	Fuse down		
	Over temperature protection	Temperature over 70℃±3℃,output stop ,Buzzer sound 5 times every 1sec,solid red light Temperature under 60℃±5℃,Automatic Recovery		
Output Protection	Overload protection	120%~150% rated load,alarm 10sec and turnoff, resetting switching automatic recovery		
		150% rated load over 2sec turn off,resetting switching automatic recovery		
	Short circuit protection	(Automatic Recovery)turn off output volatge,remove loads,Automatic Recovery		
Environment	Working temperature	0℃~+40℃@100% rated power load		
	Working humidity	30%~90% RH, No condensation		
	Storage temperature&Humidity	- 30℃ ~ +70℃		
	Vibreion resistance	10~500HZ 2G 10min/cycle,X、 Y、 Z axis 60min respectively		
Satety&EMC	Cooling method	Fan cooling is regulated by load regulation and internal thermostat		
	Safety specification	Conforming to standards CE ROSE		
	Breakdown test	Bat-PG:500VAC Bat-AC:1.5KVAC AC-FG:1.5KVAC		
Package	Insulation Resistance	Bat-PG,AC -FG:100M Ohms/500VDC/25℃/70%RH		
	Product size	Motherboard size(48cm×22cm×15.5cm) Shell size (42cm×22cm×15.5cm)		
	Product N.W.	10kg		
	Inner box size	55cm×29cm×25cm		
	Outer box size	55cm×29cm×25cm		
	Piece/Carton	1piece/CTN		
	Gross weight	11kg		
	Other	1、 Efficiency test: AC regulation and THD are tested by 60% rated power linear load at (25.6V/51.2V/64V) input voltage 2、 All parameters not specified above are measured at rated load, 25℃ ambient Temperature 3、 Output derating curve refer Figure1(Base on environment temperature) 4、 Output derating curve refer Figure 2(Base on battery voltage)		

Dimension Dimension



Derating Curve



To find out more visit www.henergysolutions.com

All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market re-quirements and regulations. A solar power system consists of a controller, inverter and load end. Multiple controllers/inverters are shown to represent the wide range that HES has.