

500W Pure sine wave inverter

HES, F500 500W inverter delivers top features and performance at an economical price. It is a pure sine wave inverter, sure power 1000W. FS500 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:1000W
 - Output efficiency:92%
 - LED show: Inverting(G), Fault(R)
 - Intelligent cooling fan
- Excellent overload capabilities
Best reliability

Protections

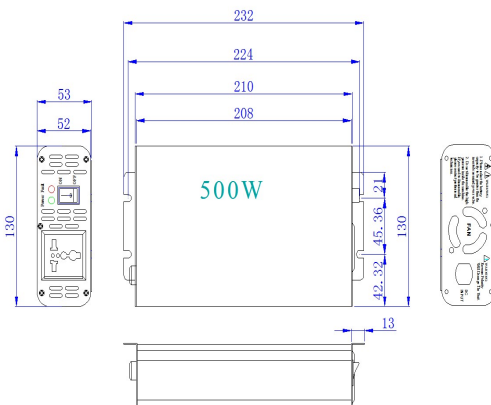
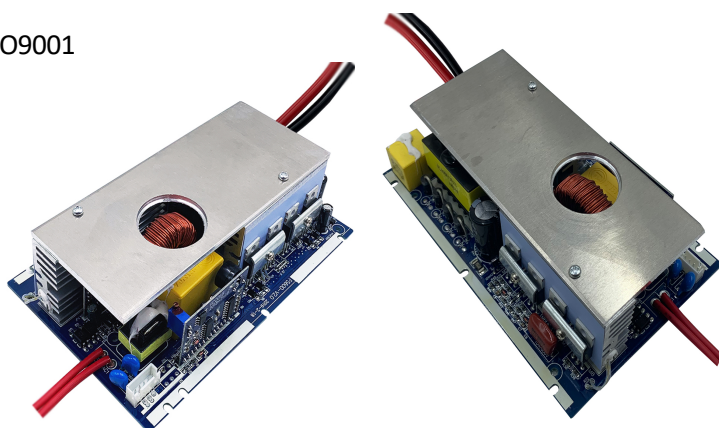
Low voltage alarm, Low voltage cutoff, Over voltage,
Over temperature, AC Overload,
AC Output short circuit

Application







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

Certifications

CE ISO9001



Specification

Model		FS500-112□		FS500-124□		FS500-148□	
		FS500-212□		FS500-224□		FS500-248□	
Output	Rated power	500W					
	Peak Power	1000W					
	AC	Default setting: 110VAC			Default setting: 230VAC		
		100/110/115/120VAC(According to requirement)			210/220/230/240VAC(According to requirement)		
	Frequency(Hz)	60Hz±0.5Hz			50Hz±0.5Hz		
	Wave form	Pure sine wave (THD<3%)					
	AC Adjusted rate	± 3.0%					
Panel LED show		Inverter, Fault					
Input	Battery Voltage	12V		24V		48V	
	Voltage Rrange	10-15VDC		20-30VDC		40-60VDC	
	DC Current	50A		25A		12.5A	
	No load Current Draw	≤0.44A/5.3W		≤0.22A/5.3W		≤0.22A/5.3W	
	Efficiency	90%		91%		92%	
Battery		Open&sealed lead-acid battery(Customized lithium battery parameter)					
Battery Input Protection	Internal Fuse	40A*2		20A*2		10A*2	
	Low voltage alarm	11V±4%		22V±4%		44V±4%	
	Low voltage cutoff	10V±4%		20V±4%		40V±4%	
	Battery reverse polarity protection	Fuse down					
Output Protection	Over temperature protection	Temperature over 70°C±3°C,output stop ,Buzzer sound 5 times every 1sec,solid red light Temperature under 60°C±5°C,Automatic Recovery					
	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					
Environmnet	Working temperature	0°C ~ +40°C@100% rated power load					
	Working humidity	30% ~ 90% RH, No condensation					
	Storage temperature&Humidity	- 30°C ~ +70°C					
Safety&EMC	Vibretron resistance	10 ~ 500HZ 2G 10min/cycle,X、 Y、 Z axis 60min respectively					
	Safety specification	Conforming to standards CE,ROSH					
	Breakdown test	Bat-PG:500VAC Bat-AC:1.5KVAC AC-FG:1.5KVAC					
Other	Insulation Resistance	Bat-PG,AC -FG:100M Ohms/500VDC/25°C/70%RH					
	MTBF	≥60Khrs.MIL-HDBK-127F(25°C)					
	Cooling	Load&temperated cooling fan					
Packing	Product size	23cm×13cm×5.2cm					
	Product N.W.	1.16Kg					
		56.2cm x 37.2cm x 31cm					
	Master Crton	12PCS/CTN 17.3KGS/CTN					
Remarks	1、 Efficiency, AC regulation and THD are tested by 60% rated power linear load at (12.8V/25.6V/51.2V input voltage						
	2、 All parameters not specified above are measured at rated load,25°C ambient Temperature						
	3、 Output derating curve refer Figure1(Base on environment temperature)						
	4、 Output derating curve refer Figure 2(Base on battery voltage)						
	5、 Packing size tolerance isacceptable						
■AC Output Receptacles(Optional)							
Country		USA	Europe	Australia	UK	Japan	GFCI
Receptacles type							

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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.