



Heavy duty

ESC SERIES

pure sine wave inverter

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ESC series pure sine wave inverter is a multifunctional converting technology. It adopts the most advanced PWM control technology, and it has a lot of characteristics such as: precise control, security, efficiency, good reliability. This type inverter can supply electricity power to families, marketplace and so on. It's have the function of perfect intellectualized protection. The inverter researched and developed by ourselves with many highly technologies and intellectualized electrical components, which could debates the fussy control and protection made by apart components and improve the reliability of inverters as well as make the operation more convenient.



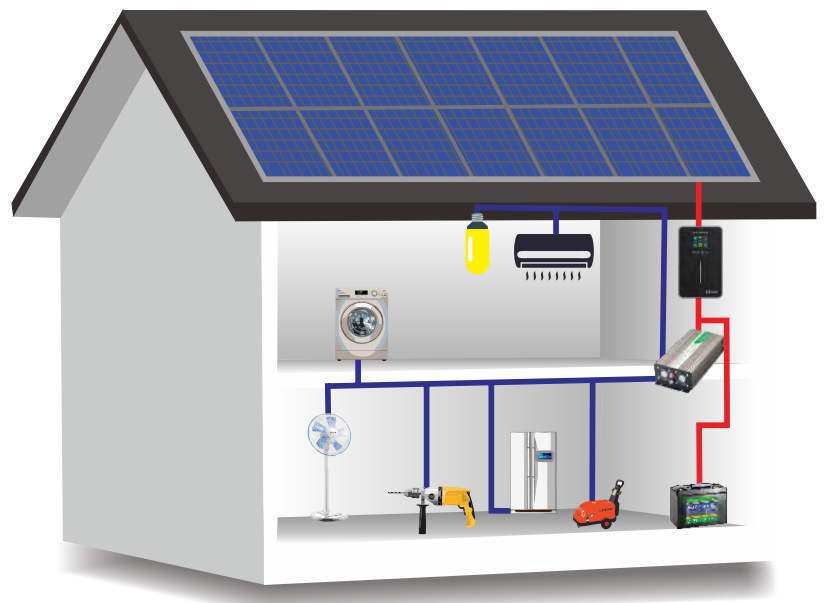
Features

- Over voltage shutdown
- Over load protect/Low voltage alarm and shutdown
- Short-circuit protect
- Over heat protect
- Advanced heat sink design and optimum component layout
- Standard AC outlet
- LED red/green indicator



Our ESC inverters are able to carry

- Air conditioning
- Washing machine
- Cleaning machine
- Electric drill
- Refrigerator
- Electric drill
- Incandescent
- Led lights
- Fluorescent lamps
- Fans



Detail show

Internal part

High-end chip and high quality MOS tubes;

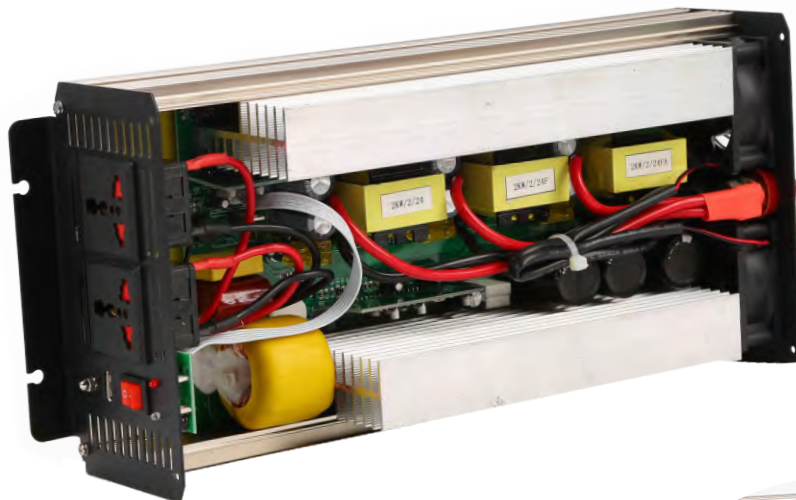
Combine multi-protect functions;

low voltage protection, over voltage protection, overload protection, over temperature protection, short circuit protection, which provides more stable performance and longer service life.

Product has been improved more scientifically based on the traditional craft.

Aluminum shell has improved its sturdiness and heat dissipation so as to extend its service life.

And it ensures the products' performance once again!



Products Specification

Model	ESC300	ESC500	ESC1000	ESC1500	ESC2000	ESC2500	ESC3000	ESC4000	ESC5000	ESC6000	ESC8000	
Rated Power	300W	500W	1000W	1500W	2000W	2500W	3000W	4000W	5000W	6000W	8000W	
Surge Power	600W	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W	16000W	
Input Voltage	12V/24V/48V								24V/48V		48V/96V	
Output Voltage	110VAC/220±5%											
USB Port	5V 0.5A											
Frequency	50Hz±3 or 60Hz±3											
Output Waveform	Pure Sine Wave											
Soft Start	YES											
AC Regulation	THD 3%(Linear Load)											
Output Efficiency	94% MAX											
No Load Current	0.1~0.6A		0.3~1.2A	0.3~1.4A	0.4~1.6A	0.5~2.0A	0.6~2.6A	0.8~1.6A		0.6~0.8A		
DC Voltage Range	10~15.5V(12V)/ 20~31V(24V) /40~61V(48V)/ 82~116V(96V)											
Low Voltage Alarm	10.5±0.5V(12V)/ 21±0.5V(24V)/ 42±1V(48V)/ 84±1V(96V)											
Low Voltage Shut Down	10±0.5V(12V)/ 20±0.5V(24V)/ 40±1V(48V)/ 82±1V(96V)											
Low Voltage Recovery	13±0.5V(12V)/ 24±0.5V(24V)/ 48±1V(48V)/ 96±1V(96V)											
Over Voltage Shut Down	15.5±0.5V(12V)/ 31±0.5V(24V)/ 61±1V(48V)/ 116±1V(96V)											
Over Voltage Recovery	14.8V±0.5V(12V)/ 29V±0.5V(24V)/ 59V±1V(48V)/ 114V±1V(96V)											
Cooling Way	Intelligent Cooling Fan											
Protection	Battery Low Voltage & Over Voltage, Over Load, Over Temperature, Short Circuit											
Working Temperature	-10°C to +50°C											
Dimension(L×W×H)(cm)	19*11.5*6	20.2*15*8	28.6*16.5*9.2	37.3*16.5*9.2		43*16.5*8.7	47.5*19.6*8.9	48.5*21.6*15.6		58.5*21.6*15.6		
N.W./Unit	1.0kg	2.0kg	3.1kg	4.3kg		5.2kg	6.2kg	10.5kg	12kg	15.2kg	16.2kg	
G.W./Ctn	23kg	24kg	22kg	20kg		24kg	28kg	12.7kg	14.2kg	17.5kg	18.5kg	
Packing	Box							Honeycomb carton				
Warranty	2 Years											

Protect function



Low Voltage Protection

Function: Automatically protect when be in low voltage: first alarm, then the voltage continuously reduce. LED red on. and the machine shuts down.

Short Circuit Protection

Function: Automatically self protect when short circuit: LED red on.

Over Temperature Protection

Function: It can automatically self protect when at high temperature: LED red on. the machine auto shuts down.

Over load Protection

Function: Automatically self protect when load too much power: LED red on. the machine auto shuts down.

Reverse Polarity Protection

Features: Automatically protect when positive and negative cables are reverse connected: fuse burns automatically shuts down.

Over Voltage Protection

Function: Automatically protect when be in high voltage: LED red on, the machine automatically shuts down.



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