

THA Series Power Inverter

This power inverter is modified sine wave inverter which converts DC power to AC power. Full power inverter with strong protections. Its output voltage is always within 10% of rated voltage until it shutdown for overload or other reasons.

Features:

- Protections: low-voltage, over voltage, over load, over temperature.
- Isolated circuit, strong impact resistance, constant voltage and stable output, low-interference.
- Advanced automatic constant circuit, prolong battery life.
- Perfect protection against battery under voltage, overload, short-circuit.
- Microprocessor control guarantees high reliability.
- Can work with inductive load such as air conditioner, motor door and so on.
- The special design of circuit and tough components protect the power inverter from being easily damaged, even when the starting power of that equipment is more than 3 times of that of the inverter.
- Having grounding devices to improve safety and excellent component to lower interference; inner fan is intelligent and will not work until the wattage reaches 1/3 of inverter.
- With 100% full power, efficiency reaching up to 85%.
- Isolated output.
- Soft start.
- USB charging port +5VDC, 500mA.

Applications:

Camera, fan, hair dryer, electric light, electric kettle, electric shaver, TV set, CD player, mobile phone, notebook, portable device, in-vehicle and etc.

Specifications:

Model	THA150	THB150	THC150
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	12.5A	6.3A	3.2A
Conversion Efficiency	>85%		
Continuous Power	150W		
Peak Power	300W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	1.3A/0.68A		

Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	487g		
Gross Weight	628g		
Size	125*102*58 mm		
Carton	530*310*480 mm 40Pieces/Carton		

Model	THA200	THB200	THC200
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	16A	8.3A	4.1A
Conversion Efficiency	>85%		
Continuous Power	200W		
Peak Power	400W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	1.8A/0.9A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		

Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	487g		
Gross Weight	628g		
Size	125*102*58mm		
Carton	530*310*480mm 40Pieces/Carton		

Model	THA300	THB300	THC300
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	25A	12.5A	6.3A
Conversion Efficiency	>85%		
Continuous Power	300W		
Peak Power	600W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	2.7A/1.3A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		

Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	700g		
Gross Weight	900g		
Size	185*102*58mm		
Carton	535*435*310mm 20Pieces/Carton		

Model	THA400	THB400	THC400
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	33A	16A	8.3A
Conversion Efficiency	>85%		
Continuous Power	400W		
Peak Power	800W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	3.6A/1.8A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1

Protections	Undervoltage: LED red light, buzzer alarm, restart recovery
	Overvoltage: LED red light, restart recovery
	Overload、 high temperature: LED red light, restart recovery
	Reverse connect: Blown fuse
Net Weight	700g
Gross Weight	900g
Size	185*102*58mm
Carton	535*435*310mm 20Pieces/Carton

Model	THA500	THB500	THC500
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	42A	21A	11A
Conversion Efficiency	>85%		
Continuous Power	500W		
Peak Power	1000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	4.5A/2.2A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		

	Overload、 high temperature: LED red light, restart recovery
	Reverse connect: Blown fuse
Net Weight	900g
Gross Weight	1120g
Size	235*102*58mm
Carton	535*435*310mm 20Pieces/Carton

Model	THA600	THB600	THC600
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	50A	25A	13A
Conversion Efficiency	>85%		
Continuous Power	600W		
Peak Power	1200W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	5.4A/2.7A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		

Net Weight	900g
Gross Weight	1120g
Size	235*102*58mm
Carton	535*435*310mm 20Pieces/Carton

Model	THA800	THB800	THC800
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	83A	42A	22A
Conversion Efficiency	>85%		
Continuous Power	800W		
Peak Power	1600W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	9A/4.5A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	1780g		
Gross Weight	2270g		
Size	265*130*65mm		

Carton	560*360*370mm 10Pieces/Carton
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Model	THA1000	THB1000	THC1000
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	83A	42A	22A
Conversion Efficiency	>85%		
Continuous Power	1000W		
Peak Power	2000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	9A/4.5A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	1780g		
Gross Weight	2270g		
Size	265*130*65mm		
Carton	560*360*370mm 10Pieces/Carton		

Model	THA1200	THB1200	THC1200
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Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	100A	50A	25A
Conversion Efficiency	>85%		
Continuous Power	1200W		
Peak Power	2400W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	11A/5.5A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	1940g		
Gross Weight	2444g		
Size	295*130*65mm		
Carton	530*310*430mm	10Piece/Carton	

Model	THA1500	THB1500	THC1500
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	125A	63A	32A

Conversion Efficiency	>85%		
Continuous Power	1500W		
Peak Power	3000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	13A/6.8A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	1940g		
Gross Weight	2444g		
Size	295*130*65mm		
Carton	530*310*430mm		10Piece/Carton

Model	THA2000	THB2000	THC2000
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	167A	83A	42A
Conversion Efficiency	>85%		
Continuous Power	2000W		
Peak Power	4000W		

Output Voltage	AC 100V-120V/210-240V		
Output Current	18A/9A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70℃		
Operating Temperature	0℃ ~ 40℃		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	4500g		
Gross Weight	5000g		
Size	390*200*100mm		
Carton	510*485*550mm 4Pieces/Carton		

Model	THA3000	THB3000	THC3000
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	250A	125A	63A
Conversion Efficiency	>85%		
Continuous Power	3000W		
Peak Power	6000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	27A/14A		
Output Frequency	50Hz-60Hz		

Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70°C		
Operating Temperature	0°C ~ 40°C		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	5000g		
Gross Weight	6000g		
Size	430*200*100mm		
Carton	510*485*550mm 4Pieces/Carton		

Model	THA4000	THB4000	THC4000
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	333A	166A	183A
Conversion Efficiency	>85%		
Continuous Power	4000W		
Peak Power	8000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	36A/18A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70°C		

Operating Temperature	0°C ~ 40°C		
Cooling	By Intelligent Fan		
Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	7500g		
Gross Weight	8000g		
Size	480*200*100mm		
Carton	610*545*335mm 4Pieces/Carton		

Model	THA5000	THB5000	THC5000
Input Voltage	DC 12V	DC 24V	DC 48V
Working Voltage	DC 9.5V-15.5V	DC 20-30V	DC 40-60V
Input Current	416A	208A	104A
Conversion Efficiency	>85%		
Continuous Power	5000W		
Peak Power	10000W		
Output Voltage	AC 100V-120V/210-240V		
Output Current	45A/22A		
Output Frequency	50Hz-60Hz		
Wave Form	Modified Sine Wave		
USB Output Voltage	DC 5V(800mA)		
Thermal Protection	≤70°C		
Operating Temperature	0°C ~ 40°C		
Cooling	By Intelligent Fan		

Under Voltage	10±1V	20±1	40±1
Over Voltage	15±1V	30±1	60±1
Protections	Undervoltage: LED red light, buzzer alarm, restart recovery		
	Overvoltage: LED red light, restart recovery		
	Overload、 high temperature: LED red light, restart recovery		
	Reverse connect: Blown fuse		
Net Weight	7500g		
Gross Weight	8000g		
Size	480*200*100mm		
Carton	610*545*335mm 4Pieces/Carton		