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# CATALOGUE

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**宁波亚翔电子科技有限公司**

NINGBO YAXIANG ELECTRONIC TECHNOLOGY CO.,LTD.

# OFF-GRID INVERTER INDUSTRY LEADER



## COMPANY INTRODUCTION

Established in 2012, Ningbo Yaxiang Electronic Technology Co, Ltd is a professional manufacturer and exporter that is concerned with the design, development and production of off grid power inverter. We are located in Cixi- with convenient transportation access. Most of our products are certified to CE, E-mark, RoHS and FCC standards. And we are an ISO9001 : 2015 registered company.

Our staff of sales and technical support is available to help you in selecting the right protection for your application as well as to provide you with samples of our products for evaluation. At Yaxiang we are committed to providing the highest level of customer service, competitive pricing, speedy delivery and a comprehensive, cutting-edge product offering. Our ultimate goal is your satisfaction. Welcome to contact us! Sincerely expect to cooperate with you.

## CERTIFICATES



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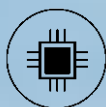
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Helpful Information





Power-saving Mode



Smart Chip



Pure Sine Wave



Car Ignition Function



Seven Intelligent Protections



LED Digital Display



Low Voltage Protection (Three Stages Optional)



Auto Transfer Switch



# Pure Sine Wave Inverter With Transfer Switch



The integrated transfer switch will seamlessly transfer between power sources in a mere 30 milliseconds, a speed so quick that the during the switch it will not affect or shutdown connected computers, timers, fans and so on.



**YX-0.3KS**


<b>Continuous Power</b>	300W	<b>Transfer Relay Rating</b>	Not applicable
<b>Peak Power</b>	600W	<b>Product Size</b>	210x120x52mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	1.2KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	92%	<b>Qty/Ctn</b>	8PCS

**YX-0.6KS**


<b>Continuous Power</b>	600W	<b>Transfer Relay Rating</b>	Not applicable
<b>Peak Power</b>	1200W	<b>Product Size</b>	210x120x52mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	1.2KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	92%	<b>Qty/Ctn</b>	8PCS

**YX-2KUS**


<b>Continuous Power</b>	2000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	4000W	<b>Product Size</b>	351x197x82mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	4.5KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	4PCS

**YX-2.5KUS**


<b>Continuous Power</b>	2500W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	5000W	<b>Product Size</b>	351x197x82mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	4.5KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	4PCS

**YX-1KUS**


<b>Continuous Power</b>	1000W	<b>Transfer Relay Rating</b>	16A
<b>Peak Power</b>	2000W	<b>Product Size</b>	330x150x78mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	2.6KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	91%	<b>Qty/Ctn</b>	6PCS

**YX-1.5KUS**


<b>Continuous Power</b>	1500W	<b>Transfer Relay Rating</b>	16A
<b>Peak Power</b>	3000W	<b>Product Size</b>	330x150x78mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	2.6KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	6PCS

**YX-3KUS**


<b>Continuous Power</b>	3000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	6000W	<b>Product Size</b>	436x197x82mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	5.7KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	2PCS

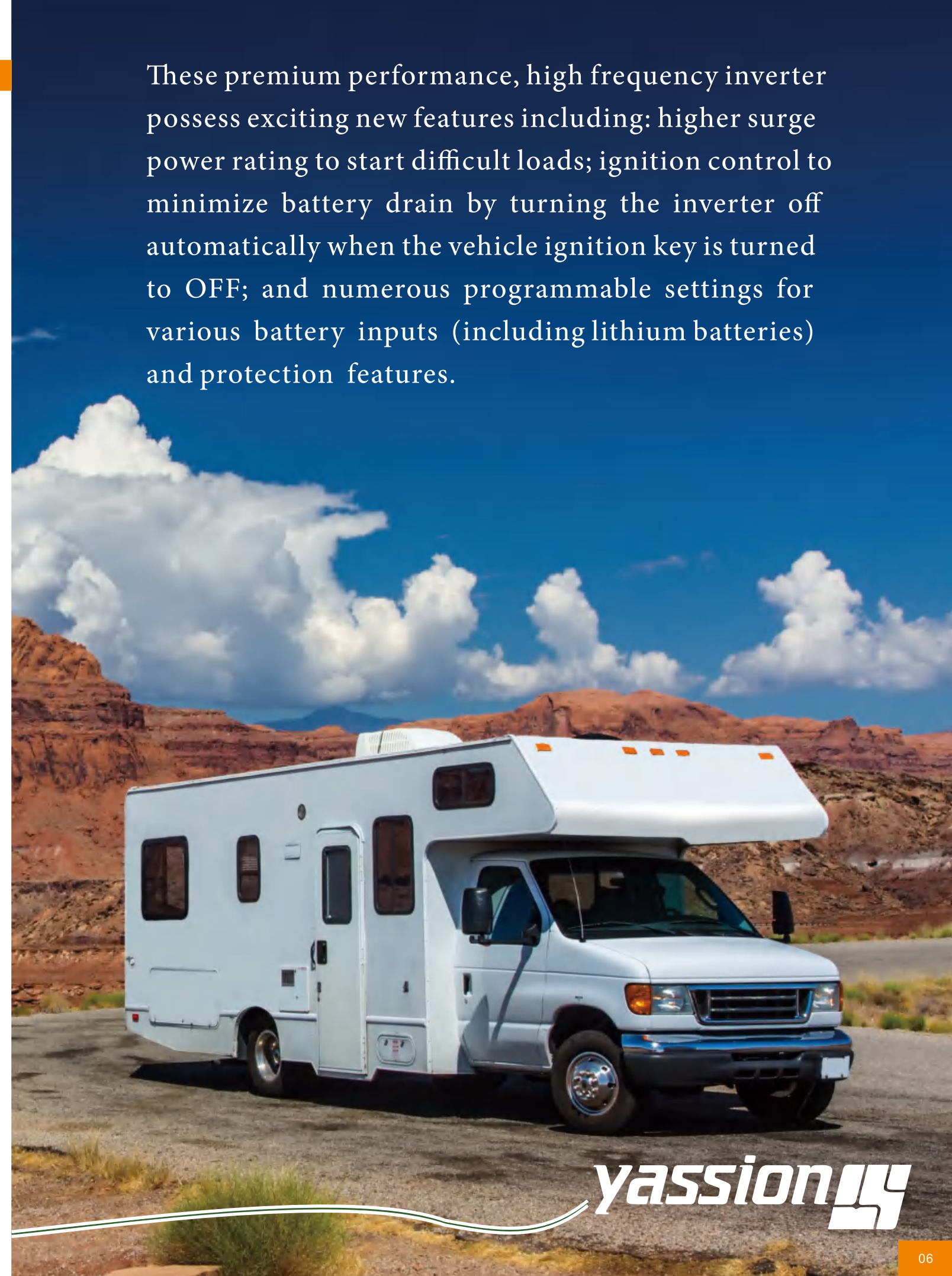
**YX-4KUS**


<b>Continuous Power</b>	4000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	8000W	<b>Product Size</b>	436x197x82mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	5.7KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	2PCS



Model	YX-0.3KS	YX-0.6KS	YX-1KUS YX-1KS	YX-1.5KUS YX-1.5KS	YX-2KUS YX-2KS	YX-2.5KUS YX-2.5KS	YX-3KUS YX-3KS	YX-4KUS YX-4KS
Continuous Power	300W	600W	1000W	1500W	2000W	2500W	3000W	4000W
Peak Power	600W	1200W	2000W	3000W	4000W	5000W	6000W	8000W
Output Waveform	Pure Sine Wave (THD<3%)							
DC Voltage	12Vdc / 24Vdc							
AC Voltage	120VAC / 230VAC ± 3V							
Frequency	50HZ ± 0.5HZ or 60HZ ± 0.5HZ							
<b>DC Input</b>								
Voltage (nominal)	12Vdc				24Vdc			
Operation Range	10-15.5V				20-31V			
Low Voltage Alarm	Lo0:10.5V	11V±0.3V		Lo0:21V		22V±0.3V		
	Lo1:10.8V	11.3V±0.3V		Lo1:21.6V		22.6V±0.3V		
	Lo2:11.3V	11.8V±0.3V		Lo2:22.6V		23.6V±0.3V		
Low Voltage Shut Down	Lo0:10.5V	10.5V±0.3V		Lo0:21V		21V±0.3V		
	Lo1:10.8V	10.8V±0.3V		Lo1:21.6V		21.6V±0.3V		
	Lo2:11.3V	11.3V±0.3V		Lo2:22.6V		22.6V±0.3V		
Over Voltage Shut Down	15.7V±0.3V				31.5V±0.3V			
Over Voltage Recovery	15.3V±0.3V				29.5V±0.3V			
<b>AC Transfer Switch</b>								
Transfer Relay Rating	Not Applicable	16A	16A	30A	30A	30A	30A	30A
Transfer Time	Not Applicable	<30ms	<30ms	<30ms	<30ms	<30ms	<30ms	<30ms
<b>Display Panel</b>								
Indicator	Power, Fault	Status						
Digital Display(LED)	Not Applicable	Input Voltage, Output Power, Output Voltage, Setting and Error Code						
Remote Control (Optional)	Cable length: 15m is available							
USB port	5V, 2.1A							
Power-Saving Mode	The power saving mode will be activated when the output power is less than 5W. When output power is more than 10W, the inverter will automatically return to normal status.							
Ignition Start Function	Connects to the vehicle's ignition start signal to turn the inverters' ON and OFF							
Protection Function	Low voltage protection, Over input voltage protection, Over load protection, Over temperature protection, Short circuit protection, AC input overload protection							
Available Outlets								
Fuse	Internal							
Working Temperature	-10°C--+50°C							
Storage Temperature	-30°C--+70°C							
Start	Bipolar soft-start							
Cooling Way	Intelligent cooling fan							
Warranty	18 months							
Certification	CE, E-mark, FCC, RoHS, ETL							

These premium performance, high frequency inverter possess exciting new features including: higher surge power rating to start difficult loads; ignition control to minimize battery drain by turning the inverter off automatically when the vehicle ignition key is turned to OFF; and numerous programmable settings for various battery inputs (including lithium batteries) and protection features.







-  Power-saving Mode
-  Smart Chip
-  Pure Sine Wave
-  Car Ignition Function
-  Seven Intelligent Protections
-  LED Digital Display
-  Low Voltage Protection (Three Stages Optional)
-  Auto Transfer Switch

# Pure Sine Wave Inverter With Transfer Switch (Removable Display)



**YX-1KUS(R)**



<b>Continuous Power</b>	1000W	<b>Transfer Relay Rating</b>	16A
<b>Peak Power</b>	2000W	<b>Product Size</b>	355x180x88mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	2.7KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	91%	<b>Qty/Ctn</b>	6PCS

**YX-1.5KUS(R)**



<b>Continuous Power</b>	1500W	<b>Transfer Relay Rating</b>	16A
<b>Peak Power</b>	3000W	<b>Product Size</b>	355x180x88mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	2.7KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	6PCS

**YX-2KUS(R)**



<b>Continuous Power</b>	2000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	4000W	<b>Product Size</b>	402x227x93mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	4.6KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	4PCS

**YX-2.5KUS(R)**



<b>Continuous Power</b>	2500W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	5000W	<b>Product Size</b>	402x227x93mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	4.6KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	4PCS



**YX-3KUS(R)**


<b>Continuous Power</b>	3000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	6000W	<b>Product Size</b>	487x227x93mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	5.9KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	2PCS

**YX-4KUS(R)**


<b>Continuous Power</b>	4000W	<b>Transfer Relay Rating</b>	30A
<b>Peak Power</b>	8000W	<b>Product Size</b>	487x227x93mm
<b>Input Voltage</b>	12V/24V	<b>Product Weight</b>	5.9KG
<b>Output Voltage</b>	120V/230V	<b>Packing</b>	Gift Box
<b>Efficiency</b>	90%	<b>Qty/Ctn</b>	2PCS



# Removable for Remote

Model	YX-1KUS(R)	YX-1.5KUS(R)	YX-2KUS(R)	YX-2.5KUS(R)	YX-3KUS(R)	YX-4KUS(R)
Continuous Power	1000W	1500W	2000W	2500W	3000W	4000W
Peak Power	2000W	3000W	4000W	5000W	6000W	8000W
Output Waveform	Pure Sine Wave (THD<3%)					
DC Voltage	12Vdc / 24Vdc					
AC Voltage	120VAC / 230VAC ± 3V					
Frequency	50HZ ± 0.5HZ or 60HZ ± 0.5HZ					
<b>DC Input</b>						
Voltage (normal)	12Vdc			24Vdc		
Operation Range	10-15.5V			20-31V		
Low Voltage Alarm	Lo0:10.5V	11V±0.3V		Lo0:21V	22V±0.3V	
	Lo1:10.8V	11.3V±0.3		Lo1:21.6V	22.6V±0.3V	
	Lo2:11.3V	11.8V±0.3V		Lo2:22.6V	23.6V±0.3V	
Low Voltage Shut Down	Lo0:10.5V	10.5V±0.3V		Lo0:21V	21V±0.3V	
	Lo1:10.8V	10.8V±0.3V		Lo1:21.6V	21.6V±0.3V	
	Lo2:11.3V	11.3V±0.3V		Lo2:22.6V	22.6V±0.3V	
Over Voltage Shut Down	15.7V±0.3V			31.5V±0.3V		
Over Voltage Recovery	15.3V±0.3V			29.5V±0.3V		
<b>AC Transfer Switch</b>						
Transfer Relay Rating	16A	16A	30A	30A	30A	30A
Transfer time	<30ms	<30ms	<30ms	<30ms	<30ms	<30ms
<b>Display Panel</b>						
Indicator	Status					
Digital Display(LED)	Input Voltage, Output Power, Output Voltage, Setting and Error Code					
USB port	5V, 2.1A					
Power-Saving Mode	The power saving mode will be activated when the output power is less than 5W. When output power is more than 10W, the inverter will automatically return to normal status					
Ignition Start Function	Connects to the vehicle's ignition start signal to turn the inverters' ON and OFF					
Protection Function	Low voltage protection, Over input voltage protection, Over load protection, Over temperature protection, Short circuit protection, AC input overload protection					
Available Outlets						
Fuse	Internal					
Working Temperature	-10°C--+50°C					
Storage Temperature	-30°C--+70°C					
Start	Bipolar soft-start					
Cooling Way	Intelligent cooling fan					
Warranty	18 months					
Certification	CE, E-mark, FCC, RoHS, ETL					





Features:

- Economic Value
- Modified Sine Wave Output
- High Start-up Surge

# Modified Sine Wave Inverter





**YX-150-M**



<b>Continuous Power</b>	150W	<b>Product Size</b>	136x95x57mm
<b>Peak Power</b>	300W	<b>Product Weight</b>	0.45KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	30PCS

**YX-300-M**



<b>Continuous Power</b>	300W	<b>Product Size</b>	185x120x52mm
<b>Peak Power</b>	600W	<b>Product Weight</b>	0.85KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	12PCS

**YX-1500-M**



<b>Continuous Power</b>	1500W	<b>Product Size</b>	340x150x70mm
<b>Peak Power</b>	3000W	<b>Product Weight</b>	2.8KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	4PCS

**YX-2000-M**



<b>Continuous Power</b>	2000W	<b>Product Size</b>	310x220x80mm
<b>Peak Power</b>	4000W	<b>Product Weight</b>	4.3KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	4PCS

**YX-600-M**



<b>Continuous Power</b>	600W	<b>Product Size</b>	210x120x52mm
<b>Peak Power</b>	1200W	<b>Product Weight</b>	1.0KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	8PCS

**YX-1000-M**



<b>Continuous Power</b>	1000W	<b>Product Size</b>	260x150x70mm
<b>Peak Power</b>	2000W	<b>Product Weight</b>	1.9KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	6PCS

**YX-2500-M**



<b>Continuous Power</b>	2500W	<b>Product Size</b>	310x220x80mm
<b>Peak Power</b>	5000W	<b>Product Weight</b>	4.3KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	4PCS

**YX-3000-M**



<b>Continuous Power</b>	3000W	<b>Product Size</b>	410x220x80mm(12V) 390x220x80mm(24V)
<b>Peak Power</b>	6000W	<b>Product Weight</b>	6.1KG/5.6KG
<b>Input Voltage</b>	12V/24V/48V	<b>Packing</b>	Gift Box
<b>Output Voltage</b>	120V/230V	<b>Qty/Ctn</b>	2PCS



Model	YX-150-M	YX-300-M	YX-600-M	YX-1000-M	YX-1500-M	YX-2000-M	YX-2500-M	YX-3000-M
Continuous Power	150W	300W	600W	1000W	1500W	2000W	2500W	3000W
Peak Power	300W	600W	1200W	2000W	3000W	4000W	5000W	6000W
No Load Current Draws	< 0.5A	< 0.5A	< 0.5A	< 0.7A	< 0.7A	< 1.0A	< 1.0A	< 1.2A
Dimensions(L*W*H)cm	13.6x9.5x5.7	18x12x5.2	21x12x5.2	26.5x15x7	34x15x7	31x22x8	31x22x8	43x22x8
Weight (kgs)	0.45 ± 0.2	0.86 ± 0.2	1.0 ± 0.2	1.9 ± 0.2	2.8 ± 0.2	4.3 ± 0.2	4.5 ± 0.2	6.1 ± 0.5
Output Waveform	Modified Sine Wave							
Efficiency	up to 90%							
Input Voltage	DC12V		DC24V			DC48V		
	10-15.5V		20-31V			40-61V		
Low Voltage Protection	10±0.5V		20±1V			40±1V		
Over Voltage Protection	15.5±0.5V		31±1V			61±1V		
Output Voltage	100V/110V/115V/120V/220V/230V/240V							
Frequency	50Hz/60Hz							
Cooling Fan	Temperature and load controlled							
Protection Function	Low voltage alarm protection							
	Low voltage shut down protection							
	Over input voltage protection							
	Over temperature protection							
	Over load protection							
	Short circuit protection							
	Reverse polarity protection (fuse)							
Fuse	Internal or external							
Battery Type	Open & Sealed Lead Acid							
USB Port	5v, 2.1A							
Grounding	Ground Chasis: Properly grounds the inverter to vehicle grounding system or to earth ground							
Remote Control	Control the inverter as a distance with remote control switch							
Application	Automobiles, RVs, boats, tractors, turcks, laptops, TV sets, video games, Cdplayers, DVD players, power tool, office equipment, major household appliances, etc							
Environment	Operating temperature			0°C--+40°C @ 100% load; ≥ +60°C @ 50% load				
	Operating relative humidity			20%--90% RH non-condensing				
	Storage temperature			-30°C--+70°C				
	Cooling Fan automatically run			inner temperature is risig up ≥ 45°C, or load power is rising up ≥30%				

# Bi-directional Inverter-Charger

Yasion proudly introduces the new BIC line of inverter-chargers. The YASSION Bi-Directional Inverter-Charger is an ideal solution to convert battery power to true sine wave AC household power. It features high surge current to start difficult loads, and its built-in battery charger allows you to recharge your batteries quickly and efficiently whenever shore power is available.

**NEW**







40A

**LF-BICM1000**

Continuous Power	1000W	Solar MPPT Charger	20A
Peak Power	2000W	Product Size	398 x 258 x 110mm
Input Voltage	12V/24V/48V	Product Weight	5.5KG
Output Voltage	120V/230V	Packing	Gift Box
Max Charging Current	40A / 12V	Qty/Ctn	2PCS



40A

**LF-BICM1500**

Continuous Power	1500W	Solar MPPT Charger	20A
Peak Power	3000W	Product Size	398 x 258 x 110mm
Input Voltage	12V/24V/48V	Product Weight	5.5KG
Output Voltage	120V/230V	Packing	Gift Box
Max Charging Current	40A / 12V	Qty/Ctn	2PCS

<b>Inverter</b>				
Continuous AC Output Power	1000w	1500W	1000w	1500W
AC Output Current	8.4A max	12.5A max	4.3A max	6.5A max
AC Surge Power (Peak)	2000W	3000W	2000W	3000W
AC Output Voltage/Frequency	110-130 VAC / 60 Hz		220-240 VAC / 50 Hz	
AC Output Waveform (THD)	Pure Sine Wave ( 5% max ,2.5% typical )			
Nominal DC Input Voltage	12.5 VDC	25 VDC	50 VDC	
DC Input Voltage Operating Range	10.5 – 15.0 VDC	21 – 30VDC	42 – 60 VDC	
Efficiency	90% typical	92% typical	92% typical	
<b>AC Transfer Switch</b>				
Nominal AC Transfer Time – Utility To Inverter	> 3s (delayed as required by voltage decay of active load)			
Nominal AC Transfer Time – Inverter To Utility	< 6s			
Transfer Relay Rating	16A		16A	
<b>Display</b>				
Display Panel Port	Bluetooth · RJ12 · Wifi · Solar · Line · Fan · Fault · Over-Load			
Power Mode	Output Power · Input Power · Recharge-Time · Discharge-Time · Battery Capacity			
AC Mode	Output-Voltage · Input-voltage · Recharge-Time · Discharge-Time · Battery Capacity			
DC Mode	Solar-Voltage · Battery-voltage · Recharge-Time · Discharge-Time · Battery Capacity			
<b>AC-Charger</b>				
Charger Input Operating Range (full power)	85-135VAC (100-130V)		160-270 VAC (200-260Vac)	
Charging Voltage Range	12.6 - 14.8 VDC	25.2-29.6VDC	50.4-59.2VDC	
Charger Current (max)	40A	20A	10A	
Charger Current Setting	2-40A	2-20A	1-10A	
Battery Type	Gel, Flooded, AGM, Lithium, Use, Power Supply			
Charge Control	Bulk / Absorption / Float / Recharge			
Maintenance Recharge Cycle	7 days			
<b>Solar-Mppt-Charger</b>				
Charger Input Operating Range (full power)	13.8-40VDC	27.6-60VDC	56-120VDC	
Charging Voltage Range	12.6 - 14.8 VDC	25.2-29.6VDC	50.4-59.2VDC	
Maintenance Recharge Cycle	20A			
Battery Type	Gel, Flooded, AGM, Lithium, Use, Power Supply			
Maintenance Recharge Cycle	7 days			
<b>Safety and Environmental</b>				
Operating Temperature	0°C to 50°C			
Storage Temperature	-20°C to 60°C (-4°F to 140°F)			
Relative Humidity	5-90% Noncondensing			
Operating Altitude	Up to 9,843ft (3000m) above sea level			




**80A**
**LF-BIC2000**

Continuous Power	2000W	Transfer Relay Rating	30A / 120V
Peak Power	4000W	Product Size	396 x 297 x 110mm
Input Voltage	12V/24V/48V	Product Weight	8.0KG
Output Voltage	120V/230V	Packing	Gift Box
Max Charging Current	80A / 12V	Qty/Ctn	2PCS

**LF-BIC3000**

Continuous Power	3000W	Transfer Relay Rating	30A / 120V
Peak Power	6000W	Product Size	441 x 297 x 110mm
Input Voltage	12V/24V/48V	Product Weight	10.0KG
Output Voltage	120V/230V	Packing	Gift Box
Max Charging Current	100A / 12V	Qty/Ctn	2PCS


**100A**
**LF-BIC4000**

Continuous Power	4000W	Transfer Relay Rating	40A / 120V
Peak Power	8000W	Product Size	441 x 297 x 110mm
Input Voltage	12V/24V/48V	Product Weight	10.0KG
Output Voltage	120V/230V	Packing	Gift Box
Max Charging Current	120A / 12V	Qty/Ctn	2PCS


**120A**

Model	LF-BIC2000	LF-BIC3000	LF-BIC4000						
<b>Inverter</b>									
Rated Power	2000W	3000W	4000W						
Peak Power	4000W	6000W	8000W						
Output Waveform	Pure Sine Wave (THD<3%)								
AC Voltage	120VAC / 230VAC ± 3V								
Frequency	50HZ ± 0.5HZ or 60HZ ± 0.5HZ								
Nominal DC Input Voltage	12.5VDC	25VDC	50VDC						
DC Input Voltage Operation Range	10-5-16.0VDC	21-32VDC	42-63VDC						
Efficiency	90%	90%	94%						
<b>Charger</b>									
Charging Voltage Range	13.5-14.8V	27-29.6V	54-59.2V	13.5-14.8V	27-29.6V	54-59.2V	13.5-14.8V	27-29.6V	54-59.2V
Charger Current (max)	80A	40A	30A	100A	50A	40A	120A	80A	60A
Charger Current Setting	10-80A	5-40A	5-30A	20-100A	10-50A	10-40A	20-120A	10-80A	10-60A
Battery Type	Gel, Flooded, AGM, Lithium, use, Power Supply								
Charge Control	Bulk / Absorption / Flood / Recharge								
Maintenance Recharge Cycle	7 days								
<b>AC Transfer Switch</b>									
Nominal AC transfer time – utility to inverter	< 30ms								
Nominal AC transfer time – inverter to utility	< 20ms								
Transfer Relay Rating	120V: 30A/230V: 16A		120V: 30A/230V: 16A		120V: 30A/230V: 16A		120V: 40A/230V: 20A		
<b>Display</b>									
Display Panel Port	RJ12								
Inverter Mode	Input Voltage, Output Power, Output Voltage								
Charger Mode	Status & Battery voltage, Input Power, Current								
CANBUS Control	By CANBUS								
Remote Panel	By Remote								
<b>Safety and Environmental</b>									
Working Temperature	-10°C-- +50°C								
Storage Temperature	-20°C-- +60°C								
Relative Humidity	5-90% noncondensing								
Operation Altitude	Up to 9,843ft (3000m) above sea level								
Warranty	18 months								
Certification	CE, FCC, ETL								



# Battery Charger



## YX-DC-10A

Max Charging Current	10A	Product Size	220x120x53mm
Rated AC Input Voltage	120V / 230VAC	Product Weight	0.9KG
DC Output Voltage	12V/24V	Packing	Gift Box
AC Input Frequency	50/60Hz +/- 3Hz	Qty/Ctn	12PCS

## YX-DC-20A

Max Charging Current	20A	Product Size	220x150x70mm
Rated AC Input Voltage	120V / 230VAC	Product Weight	1.6KG
DC Output Voltage	12V/24V	Packing	Gift Box
AC Input Frequency	50/60Hz +/- 3Hz	Qty/Ctn	6PCS



## YX-DC-40A

Max Charging Current	40A	Product Size	245x150x70mm
Rated AC Input Voltage	110V / 220VAC	Product Weight	1.8KG
DC Output Voltage	12V/24V	Packing	Gift Box
AC Input Frequency	50/60Hz +/- 3Hz	Qty/Ctn	6PCS



Model		YX-DC-10A	YX-DC-20A	YX-DC-40A
AC Input	Rated AC Input Voltage	220VAC		110-220VAC
	AC Input Range	180VAC-265VAC		90VAC-265VAC
	AC Input Frequency	50/60Hz +/- 3Hz		50/60Hz ± 3Hz
	Input Over Current Protection	5A (Thermal Protection Switch)		10A (Thermal Protection Switch)
DC Output	Float Charging Voltage	12VDC-13.8VDC (Factory Setting)		8VDC-14.9VDC (Can be set)
	Average Charging Voltage	Can be set according to different types of batteries		
	Charging Current	10A (Max)	20A (Max)	5-40A (Can be set)
	Connection Mode	Wiring Terminal		Wiring Terminal
	Output Reverse Polarity Protection	Yes		Yes
	Cooling Method	Smart Fan		Smart Fan
Display	LED (5 Steps)	20%-40%-60%-80%-100% (battery capacity)		Show output DC voltage, DC current, charging time, battery capacity and internal temperature
	Fault light	Light On-Normal; Light Off-Fault		
Size	L*W*H	220mm*120mm*53mm	221mm*150mm*70mm	245mm*150mm*70mm
Net Weight	KG	0.9KG	1.6KG	1.8KG

# Portable Power Station



Battery Capacity  
532.8Wh  
(11.1V14400mAh)



Battery Type  
Ternary Lithium Ion Battery  
800 cycles (>80%)



Charging Time  
AC Power Adapter Charging ≈ 5hrs  
Car Charging ≈ 5hrs  
120W Solar Panel Charging ≈ 6hrs



Safety Protection  
Over Charge, Over Discharge, Temperature  
Over Lower, Short Circuit, Over Current,  
Over Voltage, Anti-reverse Charging,  
Automatic Recovery.




Operating Temperature  
0°C-45°C (Charge)  
-10°C-40°C (Discharge)




LFCN500







**Battery Capacity**  
532.8Wh  
(11.1V14400mAh)




**Battery Type**  
Ternary Lithium Ion Battery  
800 cycles (>80%)



**Charging Time**  
AC Power Adapter Charging≈5hrs  
Car Charging≈5hrs  
120W Solar Panel Charging≈6hrs



**Safety Protection**  
Over Charge, Over Discharge, Temperature  
Over Power, Short Circuit, Over Current,  
Over Voltage, Ant-reverse Charging,  
Automatic Recovery.



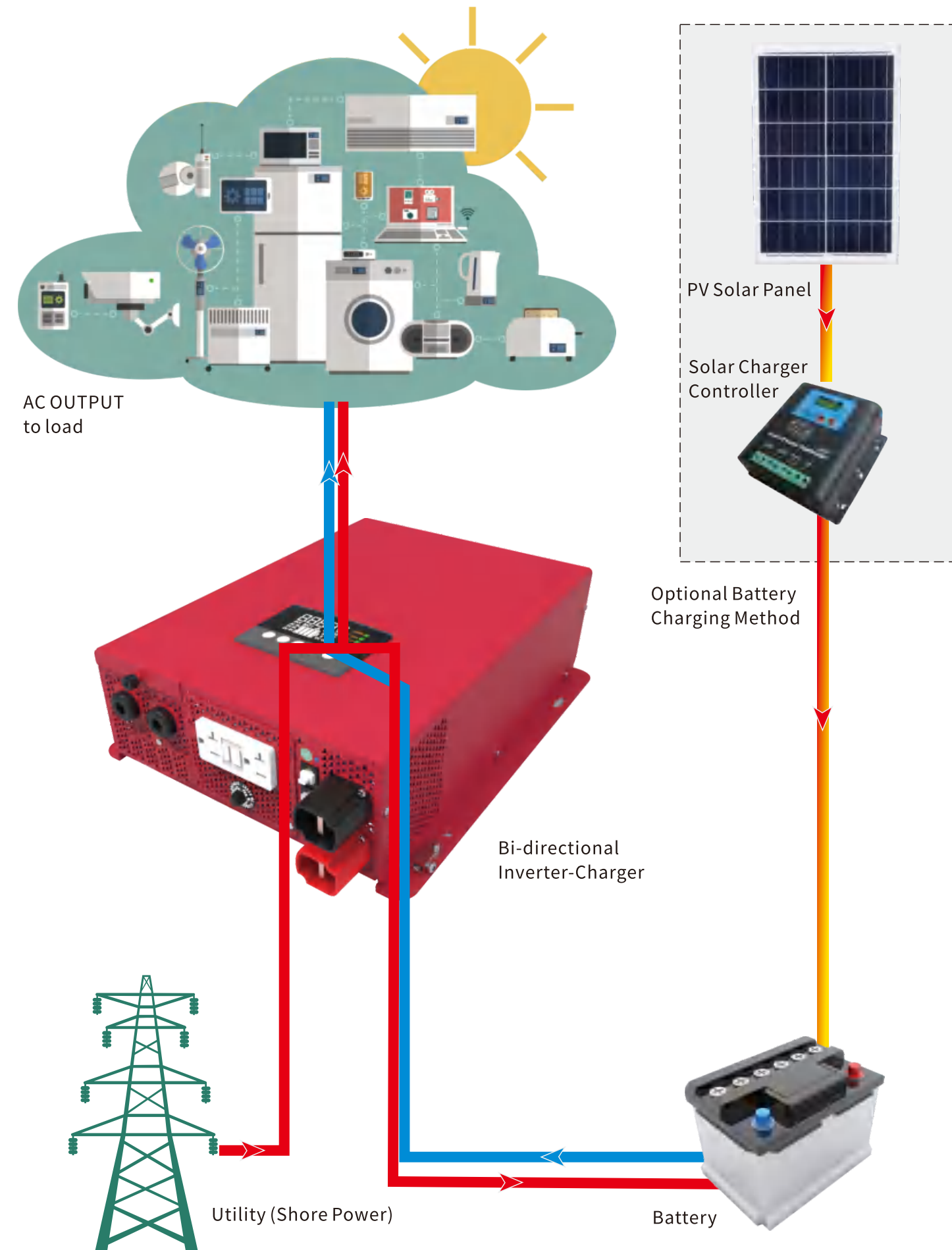
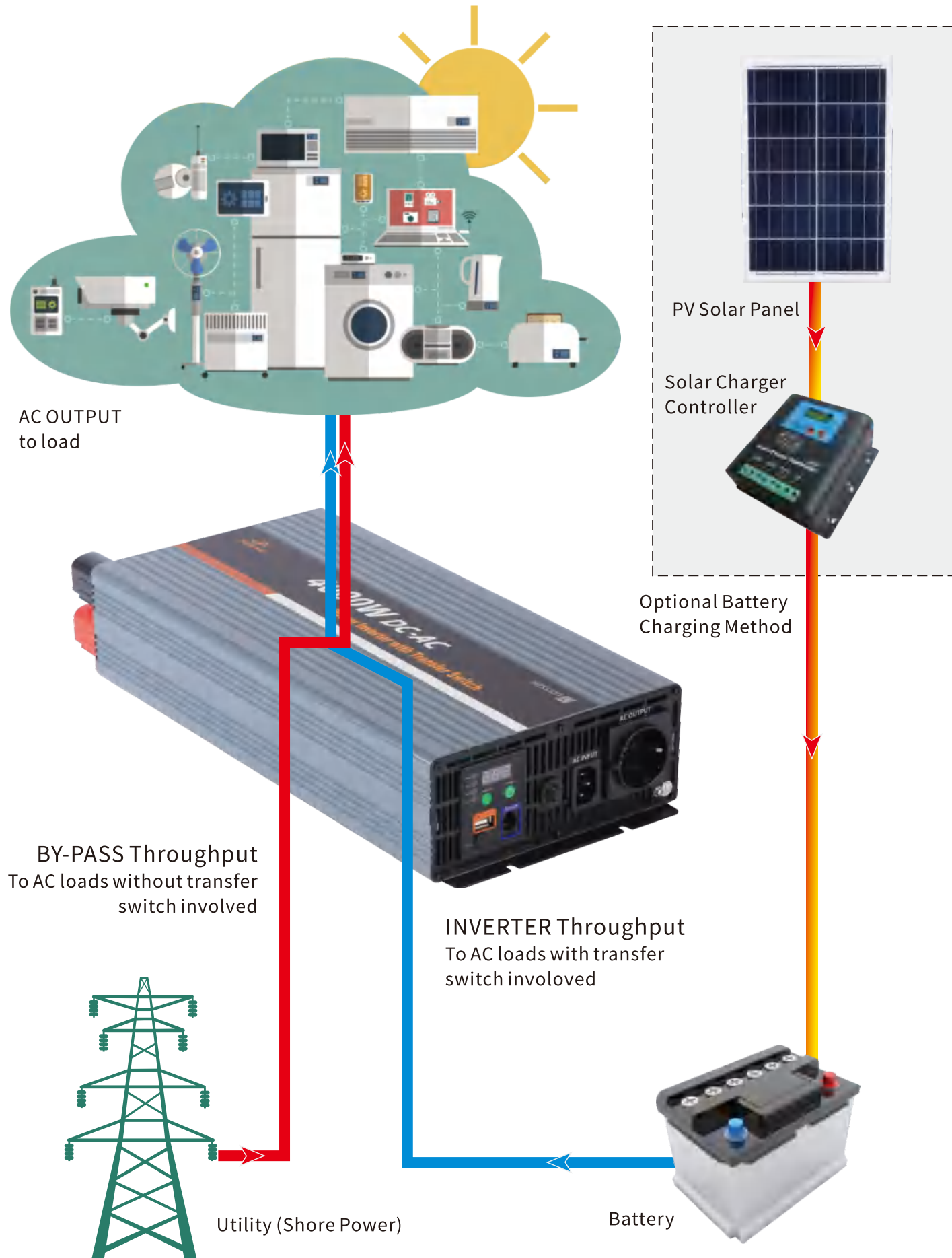
**Operating Temperature**  
0°C-45°C (Charge)  
-10°C-40°C (Discharge)

AC Output	Maximum Output Power	500W
	Output Waveform	Pure Sine Wave Output
	Output Voltage	230V / 120V
	Frequency	50Hz / 60Hz
	Efficiency	>90%
DC Output	2 x DC-PORT (5.5*2.1)	DC12V/5A (Anti-reverse polarity and short circuit protection)
	1 x Cigarette Lighter Output	DC12V Max 10A (Anti-reverse polarity and short circuit protection)
	3 x USB-A	5V/3A 15W
	1 x TYPE-C	PD3.0 5-20V 60W (MAX)
	Wireless Charging	10W
	Maximum DC Output Power	220W
Total Output	Maximum Output Power	550W
LED Light	High	5W
	Medium	3W
	SOS	Sharp flash
Charge While Discharge		Support
Product Size		L260×W186×H175mm
Product Weight		5.2KG±0.2KG
Certificates		CE, FCC, ROHS
Spareparts		1 x AC Power Adapter; 1 x Car Cigarette Cable; 1 x User manual

Power Inverters

Helpful Information







# How Long Can I Run My...?

Battery Size Run-Time Calculator	12V-20Ah	12V-40Ah	12V-60Ah	12V-120Ah	12V-180Ah	12V-240Ah	12V-300Ah
AC Load							
20 Watts	6 hrs	13 hrs	21 hrs	44 hrs	66 hrs	87 hrs	110 hrs
40 Watts	4 hrs	8.5 hrs	13 hrs	27 hrs	41 hrs	54 hrs	68 hrs
50 Watts	3 hrs	6.2 hrs	10.5 hrs	22 hrs	33 hrs	44 hrs	55 hrs
100 Watts	1.5 hrs	3 hrs	5 hrs	10.5 hrs	16.5 hrs	23 hrs	29 hrs
150 Watts	54 mins	2 hrs	3 hrs	6.2 hrs	10.8 hrs	14 hrs	19 hrs
200 Watts	36 mins	1.3 hrs	2.2 hrs	4.5 hrs	7.5 hrs	11 hrs	13 hrs
350 Watts	13 mins	40mins	1 hrs	2.2 hrs	4.2 hrs	5.5 hrs	7.2 hrs
500 Watts	N/A	25 mins	45mins	1.8 hrs	3 hrs	4 hrs	5 hrs
750 Watts	N/A	13 mins	22mins	54mins	2 hrs	2.5 hrs	3.2 hrs
1000 Watts	N/A	7mins	15mins	49mins	1.2 hrs	1.8 hrs	2.2 hrs
1250 Watts	N/A	N/A	11mins	37mins	1 hrs	1.3 hrs	1.9 hrs
1500Watts	N/A	N/A	7mins	25mins	47mins	1 hrs	1.4 hrs
1750 Watts	N/A	N/A	5mins	18mins	41mins	52mins	1.1 hrs
2000 Watts	N/A	N/A	N/A	15mins	32mins	43mins	54mins
3000 Watts	N/A	N/A	N/A	7mins	15mins	22mins	37mins



## THE MARKETS WE SERVE

