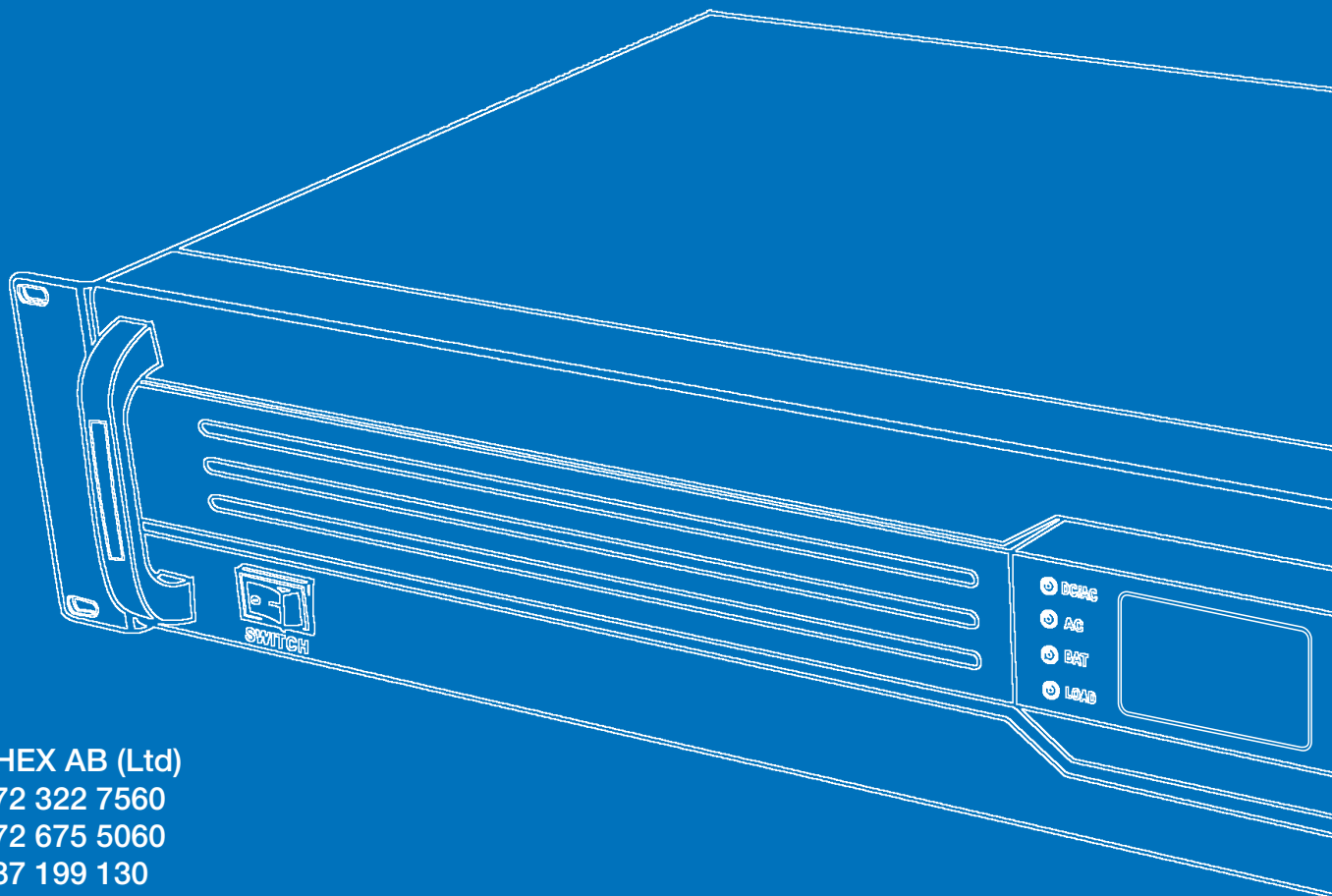




# HUNTERHEX<sup>®</sup>

Smart Green Climate and Energy Solutions

## POWER PRODUCTS MANUFACTURES



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## ABOUT US

HUNTERHEX is a high technology enterprise with strong development capacity and general strength ,We are focuss on dedicated in the R&D and production of inverter, To bring our customers innovative solutions for Power.





# COMPANY

HUNTERHEX Water pump inverter, MPPT Solar Charge Controller, home solar AC / DC power system, High-frequency inverter, Power frequency inverter, DC remote power feeding system, Switching Mode Power Supply (SMPS). which are mainly used in the telecommunication service center, Railway Control Center, internet/data exchange center, industrial automation, automated office, DC screen/cabinet, etc.

The quality and multinomial technical indexes of our products have exceeded the level of domestic Enterprises.

Research & development and Process of production, Meet the design concept of high reliability, high intelligence, low-carbon environment , Energy conservation and high efficiency.

HUNTERHEX not only produces and sells the goods, we are devoting ourselves to improve product function, quality & stability, design idea, operation convenience, and simple maintenance/repair; we care about the all the details.

HUNTERHEX has established complete Quality Control System, we have control to the materials serious , SMT, Assembling, Aging test, quality inspection, and packing; all our staffs are aimed to unite together to provide perfect products by "self-motivation, self-management, and self-responsibility".

Our objective is to deliver long term sustainable value to our clients supply that creates cost and quality benefits to the purchase from China. we deliver tailor made solutions to our clients to provide an power solution.

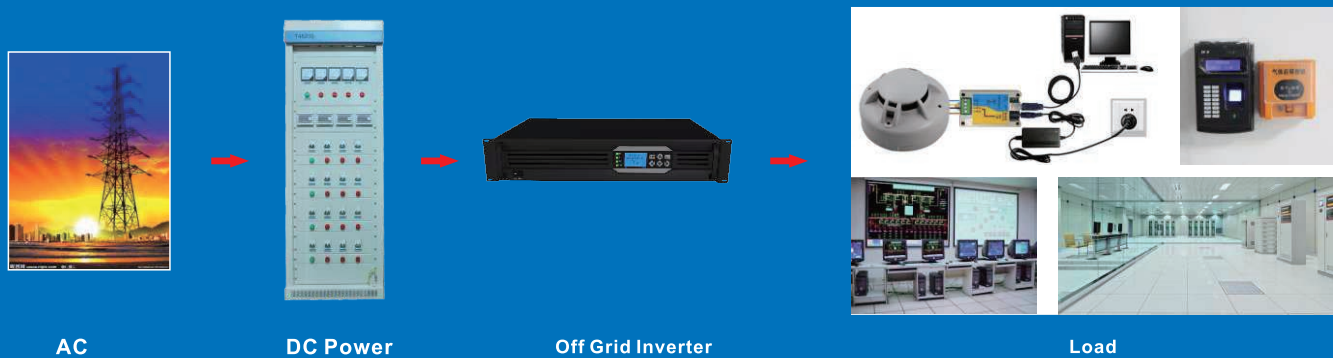
Whether you are a distributor or project contractor looking to launch or expand our products in the international trade arena, or you are searching for a particular product or service, we can assist you in achieving your mission.

Welcome you!

# High Frequency Pure Sine Wave Inverter (110V AC Output) BWT-DT1000 Series 1-6KVA (Industrial Design)



## Application Diagram



## Features

- The advanced PWM and SPWM inverter control technology, back-up type single double conversion structure. Support 220/230V, 50/60Hz power system, adaptive frequency;
- Wide range of input voltage and frequency, Strong ability to adapt power grid;
- Strong load adaptability. output overload and short circuit protection;
- The digital control CPU, Higher stability;
- Built-in high power fan of the system, which greatly improves the reliability of the system;
- The built-in DC input soft start function, can greatly improve the impact of the input source which is more safe and reliable;



# High Frequency Pure Sine Wave Inverter (110V AC Output) BWT-DT1000 Series 1-6KVA (Industrial Design)

## Technical Data

Technical Index(VA)		1KVA	2KVA	3KVA	4KVA	5KVA	6KVA
24V Allowable range of input DC voltage		Cutoff voltage: $\leq 20V_{dc}$ , or $\geq 30V_{dc}$ Startup voltage : 22Vdc—28Vdc					
48V Allowable range of input DC voltage		Cutoff voltage: $\leq 40V_{dc}$ , or $\geq 60V_{dc}$ Startup voltage : 45.5Vdc—57Vdc					
110V Allowable range of input DC voltage		Cutoff voltage: $\leq 90V_{dc}$ , or $\geq 135V_{dc}$ Startup voltage : 104Vdc—131Vdc					
220V Allowable range of input DC voltage		Cutoff voltage: $\leq 180V_{dc}$ , or $\geq 275V_{dc}$ Startup voltage : 208Vdc—260Vdc					
24V DC Input	Maximum current	42A	83A	125A	167A	208A	—
48V DC Input		21A	42A	63A	83A	104A	125A
110V DC Input		9A	18A	27A	36A	45A	55A
220V DC Input		4.5A	9A	13.5A	18A	22.5A	27A
AC by-pass input	Allowable by-pass voltage (Vac)	90Vac~132Vac					
	Rated input current (A)	8.3A	16.5A	26A	33A	41A	50A
	By-pass conversion time (ms)	$\leq 5ms$					
AC output	Rated capacity (VA)	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA
	Rated output power (W)	800W	1600W	2400W	3200W	4000W	4800W
	output voltage	110Vac ( $\pm 10V$ Adjustable LCD Display )					
	output frequency	50~60Hz ( Auto sync with bypass input)					
	Rated output current	7.2A	14.4A	21.6A	29A	36.3A	43.6A
	Output voltage precision (V)	110Vac $\pm 1.5\%$					
	Output frequency precision (Hz)	50Hz $\pm 0.1\%$ or 60Hz $\pm 0.1\%$					
	Waveform	Pure sine wave					
	Total harmonic distortion (THD)	$\leq 3\%$ (linear load)					
	Dynamic response time	5% (load 0 $\leftrightarrow$ 100%)					
	Power factor (PF)	$> 0.8$					
	Overload capacity	100%-120% 60s , 121%-150% 10s					
	Inversion efficiency (80% resistive load)	$\geq 85\%$ (80%linear load)					
	By-pass conversion time (ms)	$\leq 5ms$					
Working environment	Dielectric strength (input and output)	1500Vac , 1minute					
	Noise (1m)	$\leq 40dB$					
	Operating environment temperature	-20°C ~ +50°C					
	Humidity	0~90%, no moisture condensation					
	Operating altitude (m)	$\leq 2000m$					
Indication	LCD display	Input and output voltage, frequency, output current, temperature, percentage, etc.					
	inverter status	Normal mains, normal inversion, battery under-voltage and output overload					



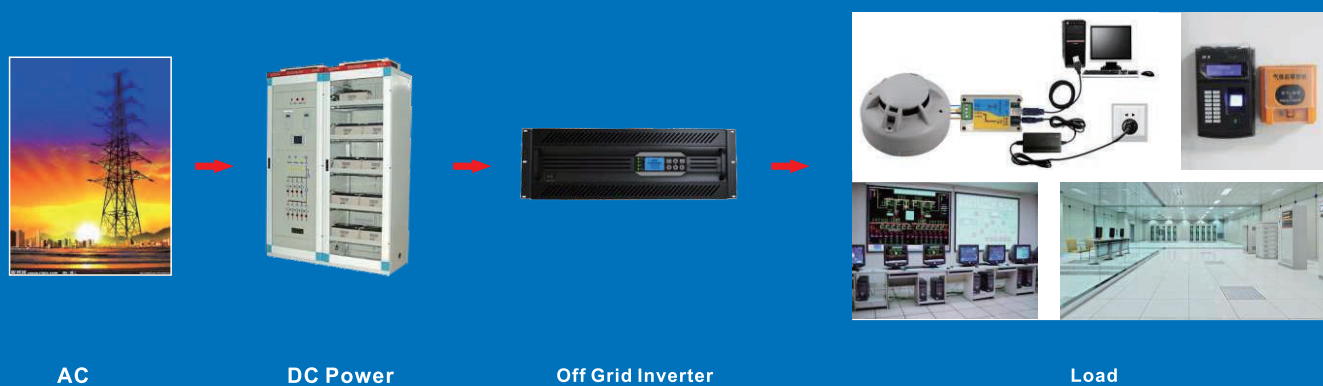
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# High Frequency Pure Sine Wave Inverter (220V AC Output) BWT-DT1000 Series 1-10KVA



## Application Diagram



## Features

- The advanced PWM and SPWM inverter control technology, back-up type single double conversion structure. Support 220/230V, 50/60Hz power system, adaptive frequency;
- Wide range of input voltage and frequency, Strong ability to adapt power grid;
- Strong load adaptability. output overload and short circuit protection;
- The digital control CPU, Higher stability;
- Built-in high power fan of the system, which greatly improves the reliability of the system;
- The built-in DC input soft start function, can greatly improve the impact of the input source which is more safe and reliable;

# High Frequency Pure Sine Wave Inverter (220V AC Output) BWT-DT1000 Series 1-10KVA

## Technical Data

Technical Index(VA)		1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
24V Allowable range of input DC voltage		Cutoff voltage: $\leq 20V_{dc}$ , or $\geq 30V_{dc}$ Startup voltage : 22Vdc—28Vdc							
48V Allowable range of input DC voltage		Cutoff voltage: $\leq 40V_{dc}$ , or $\geq 60V_{dc}$ Startup voltage : 45.5Vdc—57Vdc							
110V Allowable range of input DC voltage		Cutoff voltage: $\leq 90V_{dc}$ , or $\geq 135V_{dc}$ Startup voltage : 104Vdc—131Vdc							
220V Allowable range of input DC voltage		Cutoff voltage: $\leq 180V_{dc}$ , or $\geq 275V_{dc}$ Startup voltage : 208Vdc—260Vdc							
24V DC Input	Maximum current	42A	83A	125A	167A	208A	—	—	—
48V DC Input		21A	42A	63A	83A	104A	125A	167A	208A
110V DC Input		9A	18A	27A	36A	45A	55A	72A	90A
220V DC Input		4.5A	9A	13.5A	18A	22.5A	27A	36A	45A
AC by-pass input	Allowable by-pass voltage (Vac)	180Vac~260Vac							
	Rated input current (A)	4.5A	9.1A	13.6A	18.2A	22.7A	27.2A	36.3A	45.4A
	By-pass conversion time (ms)	$\leq 5ms$							
AC output	Rated capacity (VA)	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
	Rated output power (W)	800W	1600W	2400W	3200W	4000W	4800W	6400W	8000W
	output voltage	220Vac ( $\pm 10V$ Adjustable LCD Display)							
	output frequency	50~60Hz ( Auto sync with bypass input)							
	Rated output current	3.6A	7.3A	11.0A	14.5A	18.2A	21.8A	29A	36.3A
	Output voltage precision (V)	220Vac $\pm 1.5\%$							
	Output frequency precision (Hz)	50Hz $\pm 0.1\%$ or 60Hz $\pm 0.1\%$							
	Waveform	Pure sine wave							
	Total harmonic distortion (THD)	$\leq 3\%$ (linear load)							
	Dynamic response time	5% (load 0 $\leftrightarrow$ 100%)							
	Power factor (PF)	$> 0.8$							
	Overload capacity	100%-120% 60s , 121%-150% 10s							
	Inversion efficiency (80% resistive load)	$\geq 85\%$ (80%linear load)							
	By-pass conversion time (ms)	$\leq 5ms$							
Working environment	Dielectric strength (input and output)	1500Vac , 1minute							
	Noise (1m)	$\leq 40dB$							
	Operating environment temperature	-20°C~ +50°C							
	Humidity	0~90%, no moisture condensation							
	Operating altitude (m)	$\leq 2000m$							
Indication	LCD display	Input and output voltage, frequency, output current, temperature, percentage, etc.							
	inverter status	Normal mains, normal inversion, battery under-voltage and output overload							



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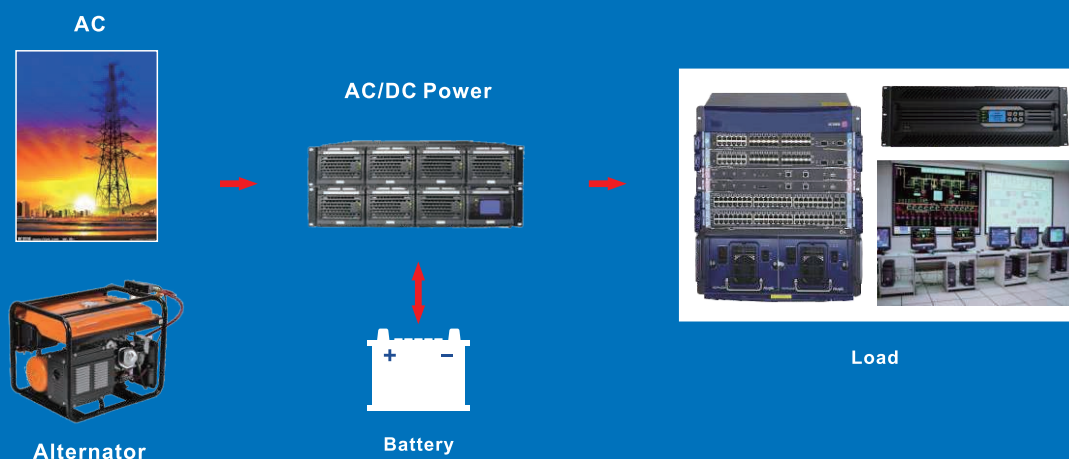
# HF Communication Power Supply System BWT-RCT2000S Series

AC220V/DC48V-(50A-550A) AC220V/DC110V-(20-220A)

AC220V/DC24V-(50A-650A) AC220V/DC220V-(10-110A)



## Application Diagram



## Features

- Circuit the Rectifier modules have two parts, one is DC/DC transformation. All technology make the wide input voltage(85V-290V).
- High efficiency rectifier modules used soft switch technology, while load rate 10% then efficiency can be 91%, 50% load rate the efficiency can be above 96%.
- With stepless current limiter technology, output current is continuously adjustable.
- Adopted stepless temperature control speed, it can reduce power consumption and prolong the life of the fan.
- Sharing Load, Equalized-current imbalance  $\leq 3\%$ .
- Optional Ethernet interface through SNMP and/or TCP/IP.
- Controller MCU.
- Digital signal collection via internal Rs485 bus; Rs232 interface for remote operation.
- Hot-swappable technology, plug and play, N+1 redundancy, extension slots.
- 2U height, light weight, High power density.

## Introduction

Advanced modular designed mini system, can provide sufficient power to meet the requirements of the communication system. Rack-mounted, suitable for all kinds of exchange room, Server Room, base stations, satellite communications, data communications, locomotives and utility power systems etc.



# HF Communication Power Supply System

## BWT-RCT2000S Series

AC220V/DC48V-(50A-550A) AC220V/DC110V-(20-220A)  
 AC220V/DC24V-(50A-650A) AC220V/DC220V-(10-110A)

### Technical Data

Model		RCT2000S			
AC input	Voltage	220Vac/380Vac			
	Frequency	50Hz±5%			
	Voltage range	185-290Vac			
Environment condition	Working temperature	-25°C~65°C			
	Storage temperature	-40°C~85°C			
	Relative humidity	≤97%RH			
	Altitude	≤3000m			
DC output	Rated voltage	24Vdc	48Vdc	110Vdc	220Vdc
	Stabilized voltage precision	≤0.6%			
	Load regulation	≤0.5%			
	Voltage regulation	≤0.13%			
	Current limiting characteristic	110%Current limiting			
	Power factor	≥0.99			
	Efficiency	≥95%			
	Current sharing unbalance	≤9%			
Alarm	LED indicator light alarm and liquid crystal display text alarm				
Size	482x88x450mm(Depth × Width × Height) (mm)				



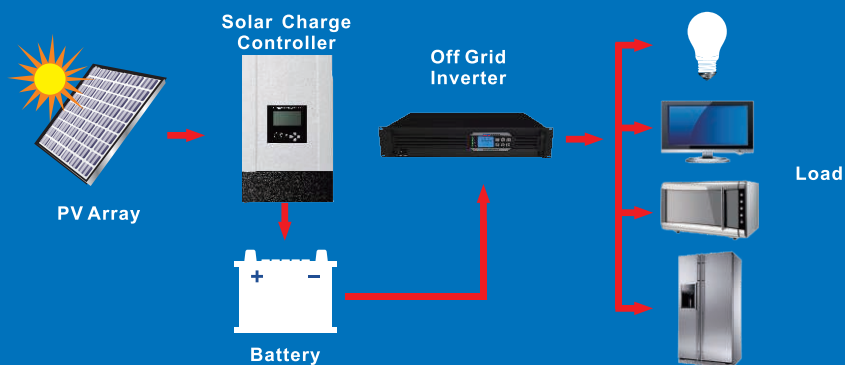
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# MPPT Solar Charge Controller

## SCH-30/40/50/60/70/80/90/100A 12V/24V/36V/48V



### Application Diagram



### Features

- 12V/24V/36V/48V Auto work, parallel design
- Multi-stage charging optimizes battery performance
- MPPT efficiency >99.5%, Peak conversion efficiency 98.5%
- Wide range Solar PV voltage input 18V~150Vdc
- Compatible with Gel, AGM, Flooded, Sealed lead acid and Lithium battery
- Multi-function LCD+LED display, system information intuitively
- Comprehensive protection
- Excellent heatsink cooling design, quiet operation
- Comfortable installation and commissioning
- Monitoring your system on line via RS485 communication



### Application



# MPPT Solar Charge Controller

## SCH-30/40/50/60/70/80/90/100A 12V/24V/36V/48V

### Technical Data

Model	SCH-30A	SCH-40A	SCH-50A	SCH-60A	SCH-70A	SCH-80A	SCH-90A	SCH-100A
Solar System Voltage	12V/24V/36V/48V Auto work							
<b>Electrical</b>								
PV Operating Voltage	18~150Vdc@12V 35~150Vdc@24V 50~150Vdc@36V 60~150Vdc@48V							
Max. PV Input Power	12V 400W	12V 600W	12V 700W	12V 900W	12V 1000W	12V 1200W	12V 1300W	12V 1400W
	24V 800W	24V 1200W	24V 1400W	24V 1800W	24V 2000W	24V 2300W	24V 2600W	24V 2800W
	36V 1300W	36V 1700W	36V 2200W	36V 2600W	36V 3000W	36V 3300W	36V 3800W	36V 4200W
	48V 1700W	48V 2300W	48V 2900W	48V 3400W	48V 4000W	48V 4600W	48V 5000W	48V 5400W
Rated Output Current	30A	40A	50A	60A	70A	80A	90A	100A
Rated DC Load Current	60A							
Self Consumption	2W							
Max.Conversion Efficiency	98.5%							
Protection	PV array short circuit, over charging,battery reverse polarity,output short circuit							
<b>Battery Charging</b>								
Battery Type	Sealed Gel AGM Flooded Lithium							
Charge Algorithm	4 stage: Bulk, Absorption, Float, Equalize charging							
Bulk Charge Voltage	Sealed: 14.4V AGM 14.2V Gel:14.2V Flooded:14.6V User defined:10-15V							
Float Charge Voltage	Sealed/Gel/AGM:13.8V Flooded:13.7V User defined:10-15V							
Equalize Charge Voltage	Sealed 14.6V AGM:14.8V Flooded:14.9V							
Load Disconnect Voltage	10.5V~12V Adjustable							
Load reconnect voltage	12.5V							
Temperature Compensation	5mV/°C/2V with BTS							
<b>Communication</b>								
Communication Port	RS485(Standard) Ethernet RS232 Optional with On line monitoring system							
<b>Physical</b>								
Net Weight	3.3kg	3.3kg	6.5kg	6.5kg	7.8kg	7.8kg	9.0kg	9.0kg
Gross Weight	3.7kg	3.7kg	7.3kg	7.3kg	8.7kg	8.7kg	10kg	10kg
Dimension(mm)	220*170*90		330*230*110		350*230*110		485*320*215	
Cooling	Heatsink cooling							
Enclosure	IP 45							
<b>Environment</b>								
Ambient Operating Temperature	-25°C~60°C							
Storage Temperature	-40°C~80°C							
Humidity	5%-95% non-condensing							
Warranty	Two years							

※Technical data for 12V system at 25°C, twice in 24V system rate, triple in 36V System rate and quadruple in 48V system rate.



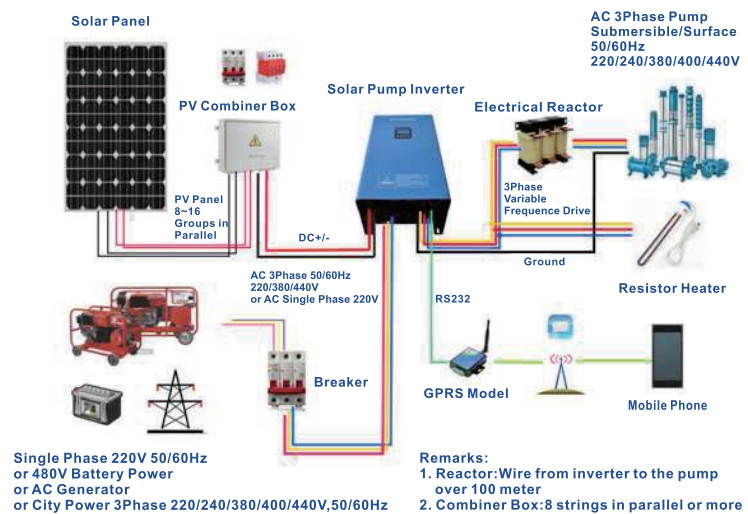
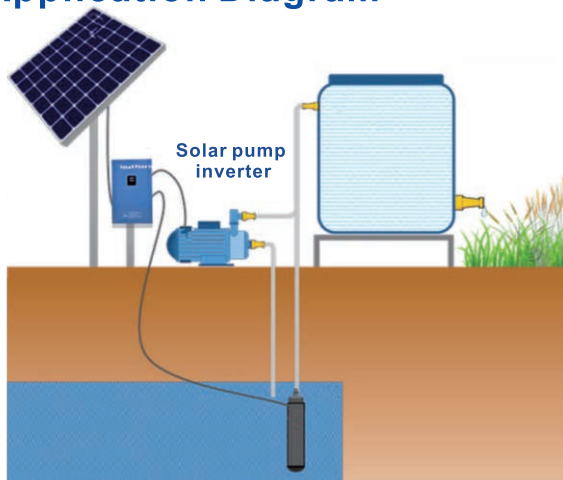
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# Solar Pumping Inverter

## BWTSPI Series 0.75KW~150KW



### Application Diagram



### Features

- Soft start and variable frequency drive the AC pump
- Automatic detecting the Voc. Vmp of solar panel, don't need set MPPT voltage by LCD/LED  
One key for startup/Stop, function for adjust the flow
- Without battery, storing water is more efficient than storing electricity, reduce the cost of construction, operating and routine maintenance
- Protection: Over temperature, over input voltage, over input current, over load, input anti-reverse, AC output short circuit, phase missing, phase unbalance, lightning, dry run protection
- Water level detective of tank for over flow, optional of pressure sensor for long distance between the well and tank.
- Mobile phone control or computer remote monitoring through RS/485/GPRS/Wifi/Ethernet(Optional)

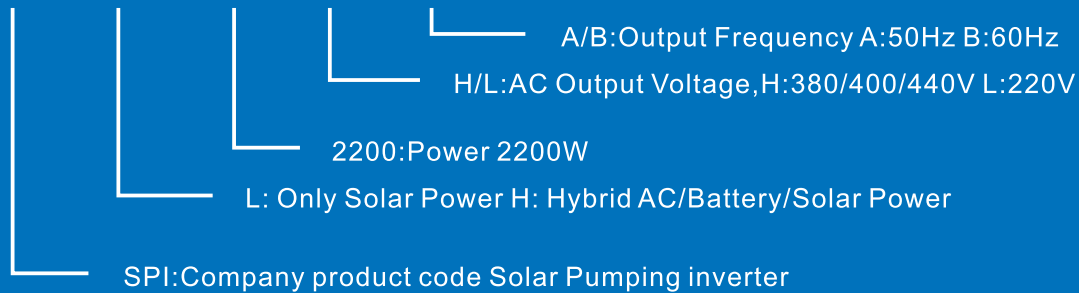


# Solar Pumping Inverter

## BWTSPI Series 0.75KW~150KW

### Naming Rule:

SPI L/H 2200 H/L A/B



### Product description

1. Solar Panel's Power configured to 1.2 ~ 2 times of pump's power , according to the pump's efficiency and sunshine of solar pumping system installed location.
2. Solar Booster support max power of pump is 750W.
3. Hybrid power input of solar pumping inverter (750W to 30KW is automatic supplement by AC or Battery power, 37KW to 150KW by manual).

### Technical Data

Model	Rated power(KW)	Solar Panel Voltage (Voc Min-Max)	Solar Panel Voltage (Vmp)	Hybrid AC Power	Hybrid Battery Power Voltage	Pump Voltage	Pump Frequency	Pump Power
SPI/H750L	0.75	200-450V	≥300 (Only Solar) ≥340 (Hybrid Power)	Single Phase 220V, 50/60Hz	312V	AC 3Phase 220/240V Single Phase 220V/240V		<750W
SPI/H1500L	1.5							<1500W
SPI/H2200L	2.2							<2200W
SPI/H750H	0.75	400-780V	≥500 (Only Solar) ≥560 (Hybrid Power)	AC 3Phase 380/400/440V 50/60Hz	480V	AC 3Phase 380/400/440V	50~60Hz	<750W
SPI/H1500H	1.5							<1500W
SPI/H2200H	2.2							<2200W
SPI/H3700H	3.7							<3700W
SPI/H5500H	5.5							<5500W
SPI/H7500H	7.5							<7500W
SPI/H11KH	11							<11KW
SPI/H15KH	15							<15KW
SPI/H18KH	18							<18KW
SPI/H22KH	22							<22KW
SPI/H30KH	30							<30KW
SPI/H37KH	37							<37KW
SPI/H45KH	45							<45KW
SPI/H55KH	55							<55KW
SPI/H75KH	75							<75KW
SPI/H100KH	100	<100KW						
SPI/H150KH	150	<150KW						



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# Portable Solar Home System

## PSH-D Series 5W/10W/20W/30W/50W/100W



### Application Diagram



### Features

- DC Portable Solar System
- Small volume, light weight, smooth operation
- 12V solar power supply, it is suitable for mobile use
- Style color variety, yellow, blue, white, silver, etc.
- With AC Charge
- Customized.

### Introduction

This is DC solar system. It can provide power for all kinds of low voltage electrical appliances, such as DC LED, Mobile phone, digital products. With complete functions, simple operation, no need complex installation, plug and play.

# Portable Solar Home System PSH-D Series 5W/10W/20W/30W/50W/100W

## Technical Data

Model		PSH-05D	PSH-10D	PSH-20D	PSH-30D	PSH-50D	PSH-100D	PSH-100AD	
Solar panel	Type	A class Mono or poly solar panel							
	Power	5W	10W	20W	30W	50W	100W	100W	
	Size(mm)	275*195*225	375*195*275	500*195*365	375*275*650	685*170*545	1035*170*685		
Solar Controller	Output	DC						DC&AC	
	Controller	12V5A				12V8A	12V10A	12V10A	
	Protection function	Over charged, Over discharged, Over load							
	Maximum output power	40W	40W	40W	40W	80W	100W	100W/300W	
	DC Output(12V )	4 port	4 port	6 port	6 port	8 port	8 port	8 port	
	DC USB(5V )	1USB output port ( MAX.2A )				2 USB output port ( MAX.3A )			
	Fuse	5A				10A			
	Controller Size (mm)	145*100*150	220*100*150	292*102*210			315*183*265		
	Controller N.W:(kg)	>85%							
Battery	Type	Deep cycle lead-acid battery without maintenance							
	Capacity	4AH	7.2AH	12AH	18AH	24AH	50AH	50AH	
System Data	Working temp.	0°C~ +55°C							
Accessories	LED Bulb	2pcs x 3W DC LED Bulb with 3m Cables							
	AC Adaptor	If without the solar, charge from the grid, can use the AC Adaptor to charge.							
	User Manual	Manual Specification							
	Package	Neutral Color Box Packing							



5W



10W



20W 30W



50W 100W

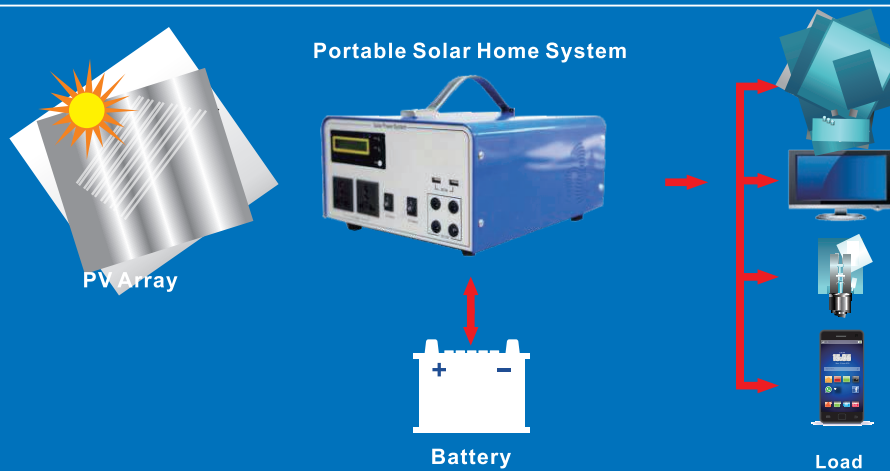


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# Portable Solar Home System PSH-AD Series 300W/600W/800W/1000W



## Application Diagram



## Features

- Provide DC and AC outputs
- Built-in solar charger
- Pure Sine Wave
- Portable, plug and play installation
- USB port available for mobile devices
- Output short-circuit protection
- Over charged protection
- Over discharged protection
- Over load protection
- Over-temperature protection
- PV reverse polarity protection

## Introduction

PSH Series portable pure sine wave inverter-controller, transforming 12VDC or 24VDC into 220VAC, also providing 12VDC or 24VDC, and 5VDC USB at the same time. This series include 300W, 600W, 800W and 1000W. The system can supply power for both DC and AC electric application such as electric fan, lighting lamps, television, portable computer, etc.



# Portable Solar Home System

## PSH-AD Series 300W/600W/800W/1000W

### Technical Data

Model		PSH-300AD	PSH-600AD	PSH-800AD	PSH-1000AD
Solar Charging Controller	Operating Voltage	12V	24V		
	Max PV Voltage (Voc)	25V	60V		
	Rated charging Current (PWM)	10A	20A		
	Self-consumption	≤9mA			
DC Output	DC output & Application	USB 5V2A			
	DC output & Application	DC 12V 2A*4	DC 24V 2A*4		
AC Output	Output Wave	Pure Sine Wave			
	Output Voltage	110V/220V±5%			
	Output Frequency	50Hz±2Hz/60Hz±2Hz			
	Rated Output Power	300W	600W	800W	1000W
	Surge Capacity	600W	1200W	1600W	2000W
	Efficiency	>85%			
Battery	Float voltage	13.6V	27.2V		
	Under voltage warning	14.4V	28.8V		
	Low Voltage Shut off	10.5V	21V		
	High Voltage Shut off	16V	32V		
System Data	Working temp.	0°C~+45°C			
	Cooling Fan	The cooling fan functions when temperature reaches 45°C.			
Mechanical	Weight	5.5Kg	5.7Kg	5.7Kg	6.2Kg
	Standard	CE Certificate			
Configuration	PSH-300AD	PSH-600AD	PSH-800AD	PSH-1000AD	
Battery	12V/ 100AH Lead-Acid	24V/ 100AH Lead-Acid	24V/ 100AH Lead-Acid	24V/ 200AH Lead-Acid	
Solar Panel	120W	250W	250W	250W*2	
Loads	4PCS 3W LED lights -10 hours 60W Fan - 5 hours 50W TV - 6 hours 65W Laptop -3 hours	4PCS 3W LED lights -10 hours 60W Fan -10hours 50W TV -10 hours 65WLaptop- 5 hours 150W Fridge -1 hours	4PCS 3W LED lights -10 hours 60W Fan -10hours 50W TV -10 hours 65WLaptop- 6 hours 150W Fridge -2 hours	4PCS 3W LED lights -10 hours 60W Fan -15hours 50W TV -15 hours 65WLaptop- 10 hours 150W Fridge -4 hours	



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