

Solar Power System BPS-300W to 20KW



Solar system Items	Pure sine wave Solar power Inverter and Peak Output Power	Solar Panel	Solar Charge Controller	System voltage and Charger current	Price	Accessori es	Weight (KG)	CBM (M3)	Container loading (Sets)		Picture
					USD				20'	40'	
BPS-300W	300W/600W	100W	BPS300C	DC12V- AC220V 15A	185	Cable & Connector	28.00	0.068	409	848	
BPS-500W	500W/1000W	100W*2	BPS500C	DC12V/24V- AC220V 15A	280	Cable & Connector	38.00	0.097	288	597	
BPS-800W	800W/1600W	100W*2	BPS800C	DC12V/24V- AC220V 15A	330	Cable & Connector	42.00	0.097	288	597	
BPS-1000W	1000W/2000W	260W*1	BPS1000C	DC24V- AC220V 30A	395	Cable & Connector	55.00	0.122	229	474	
BPS-2000W	2000W/4000W	260W*2	BPS2000C	DC24V- AC220V 30A	630	Cable & Connector	85.00	0.212	132	273	
BPS-3000W	3000W/6000W	260W*3	BPS3000C	DC24V- AC220V 30A	875	Cable & Connector	130.00	0.300	93	194	
BPS-4000W	4000W/8000W	260W*4	BPS4000C	DC48V- AC220V 30A	1,140	Cable & Connector	160.00	0.393	71	148	
BPS-5000W	5000W/10000W	260W*4	BPS5000C	DC48V- AC220V 30A	1,260	Cable & Connector	180.00	0.393	71	148	
BPS-6000W	6000W/12000W	260W*6	BPS6000C	DC48V- AC220V 30-50A	1,660	Cable & Connector	250.00	0.571	49	102	
BPS-8000W	8000W/16000W	260W*8	BPS8000C	DC48V/96V- AC220V 30-50A	2,400	Cable & Connector	330.00	0.800	35	73	
BPS-10000W	10000W/20000W	260W*10	BPS10000C	DC96V- AC220V 30-50A	2,900	Cable & Connector	390.00	0.975	29	59	
BPS-12000W	12000W/24000W	260W*12	BPS12000C	DC96V- AC220V 30-50A	3,300	Cable & Connector	440.00	1.150	24	50	
BPS-15000W	15000W/30000W	260W*16	BPS15000C	DC96V/192V- AC220V 20A- 30A	5,100	Cable & Connector	650.00	1.740	16	33	
BPS-20000W	20000W/40000W	260W*20	BPS20000C	DC96V/192V- AC220V 20A- 30A	7,200	Cable & Connector	900.00	2.213	13	26	

Remark: The above quotation in design of Single Phase 220V 50HZ , if 110V 60HZ inverter price add 10%. Not for 380-440V Three phase .

Solar Power Systems includes. Solar Panels.Solar Controller, Pure Sine Wave Inverter Plus auto switch AC back up charger and cables for panel.

System without battery as these may be better to purchase locally, since the battery is very bulky and weight for transport.

We can supply batteries upon request. The beauty of our system is you can upgrade if and when you need to increase your energy needs.

1.Warranty: 5 years for the total system excluding battery's. Solar Panels 25 years , 80% performance.

2.Order Payment: 50% when order is placed, balance of 50% when order is ready to and clean on board Copy Bill of Lading is received.

3.Delivery lead time: 7/10 working days after receipt of first payment.

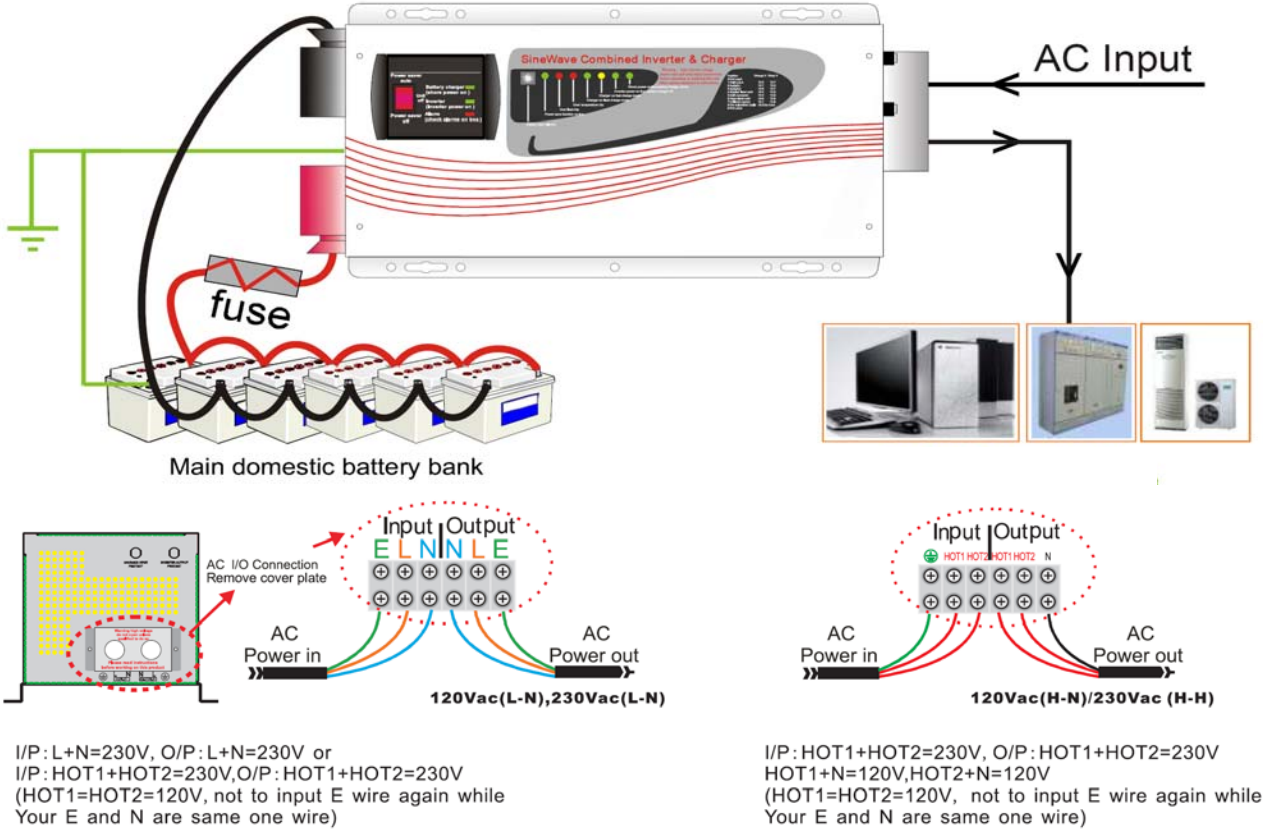
4.Price Term: Order quantity less than \$1000 ,regarded as EXW terms.

5.Sample Order is available for evaluation purpose. Sample payment is T/T in advance.

6.Price validity: 30 days.



BESTSUN Solar power system can make electricity power from sunshine, it's totally free energy. The system is with inner charger and automatic switch, BPS solar system not only have have solar power system function , but also have Utility complementary function. When solar power not enough and power off , it can switch automatically to main power and connect with grid electricity take use of main power .at the same time charging battery.and When main power off , the solar system can switch automatically to take use off solar power from battery to run load.



system characteristic:

- 1. All Systems have LCD digital display which allows you to see the system working, (eg) Charge data, System voltage, Daily power consumption and temperature.
 - 2. All type of BPS system both has AC and DC output. Also have AC back up charger function.
 - 3. All system have inner charger and automatic switch , If mains power goes off the system will switch automatically over to battery power, When mains power resumes the system will switch back automatically. The battery's will resume recharging automatically.
 - 4. All inverters are Pure Sine Wave inverters. This allows the use of Air Conditioners and refrigerators without any problem.
 - 5. Each component has a single chip detector. Assembled by the IPM or IGBT
- This protects the system from Overloads, Low Voltage and Under Voltage (alarm) Over Heating, Short circuit, Reverse Polarity.
- 6. Your system can be updated very easily. Just by adding extra components your system will increase power capacity.
 - 7. Battery optional, you can purchase from us or locally.
 - 8. Simple to install , just follow installation instructions.
 - 9. Our System offers Cutting Edge Technology, State of the Art Quality with Greater Functionality than our competitors, at Competitive prices.

Solar Power Systems BPS-300W to 20000W Details

BPS-300W

Technical data:		
Item No.		BPS-300W
Capacity		300W
System voltage		12VDC
Best output power everyday		800WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	1.82A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	100W
	Vmp	17.5V
	Imp	5.71A
Charger	Charger voltage & current	300W12V UPS15A

Load reference:					
BPS-300W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
Lighting	energy saving light	11W	4	6	264Wh
radio		3W	1	6	18Wh
Color TV	21inch	70W	1	6	420Wh
fan	small fan	20W	1	5	100Wh
total		137W			802Wh



BPS-500W

Technical data:		
Item No.		BPS-500W
Capacity		500W
System voltage		12/24VDC
Best output power everyday		1600WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	2.27A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	100W*2pcs
	Vmp	17.5V/35V
	Imp	11.42A/ 5.71A
Charger	Charger voltage & current	500W12V/24V UPS15A

Load reference:					
BPS-500W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	4	264Wh
Computer	LCD displays	100W	1	5	500Wh
Fan	small fan	30W	2	4	240Wh
satellite TV receiver /VCD		25W	1	6	150Wh
Color TV	21inch	100W	1	4	400Wh
total		351W			1554Wh



BPS-800W

Technical data:		
Item No.		BPS-800W
Capacity		800W
System voltage		12/24VDC
Best output power everyday		1600WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	3.64A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	100W*2pcs
	Vmp	17.5V/35V
	Imp	11.42A/ 5.71A
Charger	Charger voltage & current	800W12V/24V UPS15A

Load reference:					
BPS-800W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	4	264Wh
Computer	LCD displays	100W	1	4	400Wh
printer	jet	30W	1	1	30Wh
fax machine	jet	150W	1	1	150Wh
Fan	small fan	30W	2	4	240Wh
satellite TV receiver /VCD		20W	1	5	100Wh
Color TV	21inch	70W	1	5	350Wh
water pump		100W	1	0.5	50Wh
total		700W			1584Wh



BPS-1000W

Technical data:		
Item No.		BPS-1000W
Capacity		1000W
System voltage		24VDC
Best output power everyday		2000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	4.55A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*1pcs
	Vmp	30V
	Imp	8.66A
Charger	Charger voltage & current	1000W24V UPS30A

Load reference:					
BPS-1000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	4	6	264Wh
Computer	LCD displays	100W	1	4	400Wh
printer	jet	100W	1	0.5	50Wh
fax machine	jet	100W	1	0.5	40Wh
Fan	ceiling fan	80W	1	6	480Wh
satellite TV receiver Δ/C/D		25W	1	4	150Wh
Color TV	29inch	100W	1	4	400Wh
water pump		100W	1	1	100Wh
total		829W			1884Wh



BPS-2000W

Technical data:		
Item No.		BPS-2000W
Capacity		2000W
System voltage		24VDC
Best output power everyday		4000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	9.1A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*2pcs
	Vmp	30V
	Imp	17.33A
Charger	Charger voltage & current	2000W24V UPS 30A

Load reference:					
BPS-2000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	6	396Wh
Fan	ceiling fan	80W	2	6	960Wh
Computer	LCD displays	100W	1	6	600Wh
printer	jet	100W	1	0.5	50Wh
fax machine	jet	150W	1	0.5	75Wh
refrigerator	150L	100W	1	24	800Wh
washing machine		300W	1	0.5	150Wh
satellite TV receiver Δ/C/D		25W	1	4	100Wh
Color TV	29inch	100W	1	4	400Wh
water pump		200W	1	0.5	100Wh
total		1501W			3631Wh



BPS-3000W

Technical data:		
Item No.		BPS-3000W
Capacity		3000W
System voltage		24VDC
Best output power everyday		6000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	13.64A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*3pcs
	Vmp	30V
	Imp	26A
Charger	Charger voltage & current	3000W24V UPS30A

Load reference:					
BPS-3000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	6	396Wh
Computer	LCD displays	100W	1	4	400Wh
printer	jet	250W	1	0.5	125Wh
fax machine	jet	150W	1	0.5	75Wh
refrigerator	150L	100W	1	24	800Wh
Air conditioner	1P	1000W	1	6	3000Wh
washing machine		300W	1	0.5	150Wh
satellite TV receiver Δ/C/D		25W	1	6	150Wh
Color TV	29inch	100W	1	6	600Wh
water pump		200W	1	1	200Wh
total		2613W			5896Wh



BPS-4000W

Technical data:		
Item No.		BPS-4000W
Capacity		4000W
System voltage		48VDC
Best output power everyday		8000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	18.18A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*4pcs
	Vmp	60V
	Imp	17.33A
Charger	Charger voltage & current	4000W48V UPS30A

Load reference:					
BPS-4000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	6	396Wh
Computer	LCD displays	100W	1	4	400Wh
printer	jet	250W	1	0.5	125Wh
fax machine	jet	150W	1	0.5	75Wh
refrigerator	150L	100W	1	24	800Wh
Microwave		1000W	1	0.3	300Wh
Fan	ceiling fan	80W	2	6	960Wh
Air conditioner	1.5P	1200W	1	6	3600Wh
satellite TV receiver /VCD		25W	1	6	150Wh
Color TV	29inch	100W	1	6	600Wh
water pump		200W	1	1	200Wh
total		3473W			7606Wh



BPS-5000W

Technical data:		
Item No.		BPS-5000W
Capacity		5000W
System voltage		48VDC
Best output power everyday		8000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	22.23A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*4pcs
	Vmp	60V
	Imp	17.33A
Charger	Charger voltage & current	5000W48V UPS30A

Load reference:					
BPS-5000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	6	6	396Wh
Fan	ceiling fan	80W	1	6	480Wh
Computer	LCD displays	100W	1	4	400Wh
printer	jet	250W	1	0.5	125Wh
fax machine	jet	150W	1	0.5	75Wh
refrigerator	200L	120W	1	24	1200Wh
washing machine		300W	1	0.5	150Wh
Microwave		1000W	1	0.5	500Wh
Air conditioner	1.5P	1200W	1	6	3600Wh
satellite TV receiver /VCD		25W	1	6	150Wh
Color TV	29inch	100W	1	6	600Wh
water pump		200W	1	1	200Wh
total		4213W			7876Wh



BPS-6000W

Technical data:		
Item No.		BPS-6000W
Capacity		6000W
System voltage		48VDC
Best output power everyday		12000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	27.27A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*6pcs
	Vmp	60V
	Imp	26A
Charger	Charger voltage & current	6000W48V UPS30-50A

Load reference:					
BPS-6000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	8	6	528Wh
Fan	ceiling fan	80W	2	6	960Wh
Computer	LCD displays	200W	1	6	1200Wh
printer	jet	250W	1	0.5	125Wh
fax machine	jet	150W	1	0.5	75Wh
refrigerator	200L	120W	1	24	1200Wh
washing machine		300W	1	0.5	150Wh
Microwave		1500W	1	0.5	750Wh
Air conditioner	1.5P	1500W	1	8	3600Wh
satellite TV receiver /VCD		25W	1	8	200Wh
Color TV	32inch	150W	1	8	1200Wh
water pump		200W	1	1	200Wh
total		5395W			10118Wh



BPS-8000W

Technical data:		
Item No.		BPS-8000W
Capacity		8000W
System voltage		48V/96VDC
Best output power everyday		16000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	27.27A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*8pcs
	Vmp	120V
	Imp	17.33A
Charger	Charger voltage & current	8000W48/96 UPS30-50A

Load reference:					
BPS-8000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	8	8	704Wh
Fan	ceiling fan	80W	2	8	960Wh
Computer	LCD displays	200W	2	8	3200Wh
printer	jet	250W	1	1	250Wh
fax machine	jet	150W	1	1	150Wh
refrigerator	200L	120W	1	24	1200Wh
washing machine		300W	1	1	300Wh
Microwave		1500W	1	1	1500Wh
Air conditioner	1.5P	1500W	1	8	3600Wh
satelite TV receiver /VCD		25W	1	8	200Wh
Color TV	32inch	150W	2	8	3200Wh
water pump		200W	1	1	200Wh
total		5395W			15464Wh



BPS-10000W

Technical data:		
Item No.		BPS-10000W
Capacity		10000W
System voltage		96VDC
Best output power everyday		20000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	45.45A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
	Invert efficiency	>97%
Solar panel	Pmax	260W*10pcs
	Vmp	150V
	Imp	17.33A
Charger	Charger voltage & current	10000W96V UPS30-50A

Load reference:					
BPS-10000W solar home system					
loads name	specification	load's watt	qty	working hrs	Daily consumption
lighting	energy saving light	11W	8	8	704Wh
Fan	ceiling fan	80W	2	8	1280Wh
Computer	LCD displays	200W	2	6	2400Wh
printer	jet	250W	1	1	250Wh
fax machine	jet	150W	1	1	150Wh
refrigerator	200L	120W	1	24	1200Wh
electric stove		1000W	1	1	1000Wh
Rice cooker		1000W	1	1	1000Wh
washing machine		300W	1	1	300Wh
Microwave		1500W	1	1	1500Wh
Air conditioner	1.5P	1500W	1	8	8000Wh
satelite TV receiver /VCD		25W	1	8	200Wh
Color TV	32inch	150W	2	8	2400Wh
water pump		200W	1	1	200Wh
total		8003W			18384Wh



BPS-12000W

Technical data:		
Item No.		BPS-12000W
Capacity		12000W
System voltage		96VDC
Best output power everyday		25000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	54.54A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
Solar panel	Invert efficiency	>97%
	Pmax	260W*12pcs
	Vmp	120V
	Imp	26A
Charger	Charger voltage & current	12000W96V UPS30-50A

Load reference:						
BPS-12000W solar home system						
loads name	specification	load's watt	qty	working hrs	Daily consumption	
lighting	energy saving light	11W	8	8	704Wh	
Fan	ceiling fan	80W	2	8	1280Wh	
Computer	LCD displays	200W	1	6	1200Wh	
printer	jet	250W	1	1	250Wh	
fax machine	jet	150W	1	1	150Wh	
refrigerator	200L	120W	1	24	1200Wh	
electric stove		1000W	1	1	1000Wh	
Rice cooker		1000W	1	1	1000Wh	
washing machine		300W	1	1	300Wh	
Microwave		1500W	1	1	1500Wh	
Air conditioner	1.5P	1500W	2	6	12000Wh	
satellite TV receiver /VCD		50W	1	8	400Wh	
Color TV	32inch	150W	1	8	1200Wh	
water pump		200W	1	1	200Wh	
total		10134W			22384Wh	



BPS-15000W

Technical data:		
Item No.		BPS-15000W
Capacity		15000W
System voltage		96V/192VDC
Best output power everyday		32000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC120V/220V
	Output frequency	50HZ/60HZ
	Output current	68.18A(220V)
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%,30 seconds
Solar panel	Invert efficiency	>97%
	Pmax	260W*16pcs
	Vmp	240V
	Imp	17.33A
Charger	Charger voltage & current	15000W192V UPS15-30A

Load reference:						
BPS-15000W solar home system						
loads name	specification	load's watt	qty	working hrs	Daily consumption	
lighting	energy saving light	11W	8	8	704Wh	
Fan	ceiling fan	80W	2	8	1280Wh	
Computer	LCD displays	200W	1	6	1200Wh	
printer	jet	250W	1	1	250Wh	
fax machine	jet	150W	1	1	150Wh	
refrigerator	200L	120W	1	24	1200Wh	
electric stove		1000W	1	1	1000Wh	
Rice cooker		1000W	1	1	1000Wh	
washing machine		300W	1	1	300Wh	
Microwave		1500W	1	1	1500Wh	
Air conditioner	1.5P	1500W	2	6	12000Wh	
satellite TV receiver /VCD		50W	1	8	400Wh	
Color TV	32inch	150W	1	8	1200Wh	
water pump		200W	1	1	200Wh	
total		10134W			22384Wh	



BPS-20000W

Technical data:			Load reference:					
Item No.		BPS-20000W	BPS-20000W solar home system					
Capacity		20000W	loads name	specification	load's watt	qty	working hrs	Daily consumption
System voltage		96V/192VDC	lighting	energy saving light	11W	8	8	704Wh
Best output power everyday		40000WH	Fan	ceiling fan	80W	2	8	1280Wh
Inverter	Output wave	Pure sine wave	Computer	LCD displays	200W	2	6	2400Wh
	Output voltage	AC120V/220V	printer	jet	250W	1	1	250Wh
	Output frequency	50HZ/60HZ	fax machine	jet	150W	1	1	150Wh
	Output current	90.91A(220V)	refrigerator	240L	180W	1	24	1500Wh
	Precision of output voltage	±3%	electric stove		1000W	2	1	2000Wh
	Precision of output frequency	±0.1%	Rice cooker		1000W	1	1	1000Wh
	False output wave of AC	<3%	washing machine		300W	2	1	600Wh
	Overload ability	120%,30 seconds	Microwave		1500W	1	1	1500Wh
Solar panel	Invert efficiency	>97%	Air conditioner	2P	2000W	2	8	18000Wh
	Pmax	260W*20pcs	satellite TV receiver /VCD		50W	2	8	800Wh
	Vmp	240V	Color TV	32inch	150W	2	8	2400Wh
Charger	Imp	21.67A	water pump		200W	1	1	200Wh
	Charger voltage & current	20000W192V UPS15-30A	total		17284W			32284Wh

