



SOLAR POWER SYSTEM SOLUTION



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What we can do:



Design



Production



Integration



Construction



About Us

The Zhejiang Holley International Co., Ltd., as an integrator and solution provider of the photovoltaic technology and solar energy products and appliance, has been engaged in this industry since a decade ago. The renewable energy has become a cutting-edge technology as the traditional fossil fuels are depleting little by little and meanwhile the demand of global energy consumption is growing bigger and bigger. People of a lot of countries are gradually realizing this situation and they started to implement the recyclable energy into the traditional power system. Taking advantage of such tendency, we began our business and so far, we are doing quite well.

We have experts in the R&D team and business administrative team, our staff is the first guarantee for the successful execution of projects and we have strong financial capability which is another key point of our competitiveness.

During the past years, we have gained experience and reputation by participating a lot of international projects. Our technology has become more mature and the confidence we have in ourselves grew stronger. Until now, we have our business in Africa, Middle East, Latin America, and we are doing our best to enter into more markets.

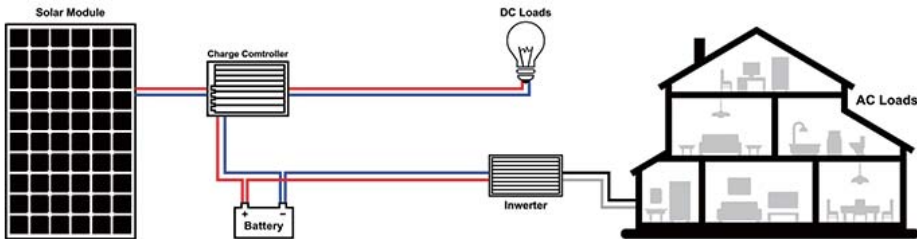
We know that the photovoltaic technology is always changing, that's why we never stop to provide the most advanced and economic products and solutions to our clients. We care about our clients' needs, their costs and the stable performance of our products and our responsibility is to bring the most affordable solutions and products to our clients and make them benefit from the nature resources.



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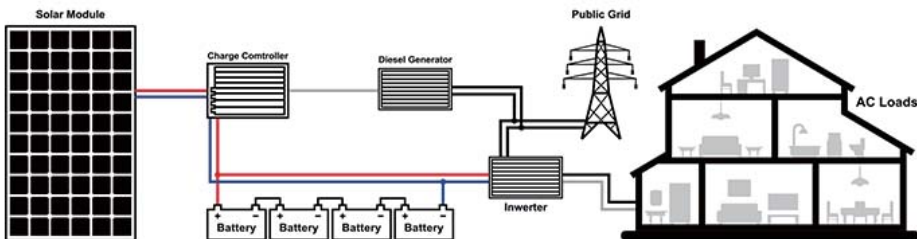
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OFF-GRID SOLAR POWER SYSTEM



Off-grid solar power system Normally consists of solar modules, batteries, charge controller, off-grid inverter and loads. The battery is charged by the solar energy through the charge controller. The inverter converts the DC current of the battery into AC current to meet the need of common AC appliances.

HYBRID SOLAR POWER SYSTEM



Alongside solar energy, a hybrid system usually employs a diesel generator and/or public grid as complement. When the solar energy is not sufficient due to bad weather, the generator/public grid is then switched in to supply the loads. The hybrid system is more stable than the off-grid systems and could cover the loads at all hours. Compared with generator, the hybrid system is more economic, quieter and easier to maintain.

OFF-GRID (HYBRID) SOLAR POWER SYSTEM CONFIGURATION

NO.	Main Item	Specification										
		Capacity	0.45KW	1KW	2KW	5KW	10KW	20KW	44KW	100KW	300KW	
1	Solar Module	Capacity	0.45KW	1KW	2KW	5KW	10KW	20KW	44KW	100KW	300KW	
		Type	Poly Crystal/Mono Crystal/Thin Film									
2	Battery	Voltage	12Vdc	24Vdc	24Vdc	48Vdc	48Vdc	220Vdc	220Vdc	348Vdc	348Vdc	
		Capacity	600Ah	400Ah	640Ah	1200Ah	3000Ah	1200Ah	3000Ah	2000Ah	6000Ah	
		Type	PWM/MPPT									
3	Charge Controller	Voltage	12Vdc	24Vdc	24Vdc	48Vdc	48Vdc	220Vdc	220Vdc	348Vdc	348Vdc	
		Rated Current	40A	40A	80A	100A	200A	100A	200A	300A	300A*3	
		Dry Contact	Remote Display, Low Voltage Disconnect, Generator Start (optional)									
		Output	Rated Capacity	600VA	1.2KVA	3KVA	6KVA	12KVA	20KVA	50KVA	100KVA	300KVA
4	Inverter	Rated Power	400W	1KW	2.4KW	4.2KW	8.4KW	16KW	40KW	80KW	240KW	
		Voltage	L/N/PE,110/220Vac						3/N/PE,380Vac			
		Frequency	50/60Hz									
		Waveform	Pure Sine Wave									
		Input	Voltage	12Vdc	24Vdc	24Vdc	48Vdc	48Vdc	220Vdc	220Vdc	348Vdc	348Vdc
			Voltage Range	10 - 15Vdc	20 - 30Vdc	20 - 30Vdc	40 - 57Vdc	40 - 57Vdc	165 - 275Vdc	165 - 275Vdc	290 - 435Vdc	290 - 435Vdc
			AC Bypass	Hybrid with Grid or Generator (optional)								
Protection Function	Low Voltage, High Voltage, Overload, Over Heat, Reverse Polarity, Short Circuit, etc.											
5	Mounting System	Type	Ground/Roof									
		Material	Galvanized Steel/Aluminum Alloy									
Application:Scenarios		School, Health Post & Center, Monitoring Camera, etc.			Communication Base Station, Office, Bank, Villa, etc.			Hotel, University, Factory, Hospital, etc.				

NOTE: THE ABOVE CONFIGURATIONS AND SPECIFICATIONS ARE ONLY FOR REFERENCE.



Palestine PV Streetlight Project

HOLLEY international supplied solar street lighting products for the Palestinian Energy Authority (PEA), which are to be installed in the local roads. By the end of the year, the production, delivery, installation services were all completed. The execution of the project was highly appraised by the purchaser and the local users.



Uganda Solar Power Project

Our company was awarded the contract by the Ministry of Education and Sports of Uganda. This project was about the manufacturing, supplying, installation, testing, commissioning and maintenance of photovoltaic power-supply system for 246 schools. The contract amount of this project is more than 3.45 million U.S. Dollars. After several months' hard work, we successfully completed the project. This project signified to us a great step forward into the African market.



Ethiopia PV System project

Our company received formal letter of acceptance from the Ministry of Water & Energy of Ethiopia. This project consisted of the supplying and the installation of PV system (Off-Grid) for 270 primary schools in Ethiopia. The contract amount is more than one million U.S. Dollars. Through the efforts of our engineers together with the local staff, the project was successfully completed on time. We received very high appraisal from the clients and the end users, and since this project we became a trusted supplier to the Ethiopian government.



Palestine 120kW On-grid Solar System

We started the work for a Generation Station of 120kW On-grid Solar System in Palestine. By the end of the year, we finished this project, including the production, delivery and installation. To our company, the project contributed more than the opening of new market, at the same time helped us to set up a solid foundation for a long-term development in the field of solar system integration project.



The Ethiopian Medical Station Project

Our company undertook the project of Photovoltaic Off-grid Power Generation System for the Ethiopian Medical Station, which consisted of equipment supplying, installation and after-sale services. By the end of the year, the whole project was successfully completed. We are growing stronger in terms of the project management, cost control and on-site coordination.



The Ethiopian Medical Center Project

Our company signed a contract with the Ethiopian Ministry of health regarding 1409 sets of Photovoltaic Off-grid Power Generation System for the Ethiopian Medical Center. The whole contract was formed by the equipment supplying, installation and after-sale services. We established a special project management team for this project, in order to accomplish the preparations and executions according to the project requirements. The whole project is expected to complete in September of this year.

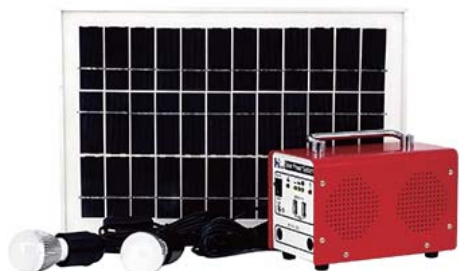
In addition to the previous project, we signed another contract of the Project of the Procurement, Supply and Installation of 4028 sets of PV system, with the Ministry of Water, Irrigation and Electricity of Ethiopia. In the contract, there are 4004 sets of PV system which will be installed for home use and the rest of 24 systems for institutional organizations, covering 4 regions in Ethiopia. The contract was signed in November 2015, the execution is still undergoing and so far, all the work is doing well. This project, together with the previous one, will make over 5.54 million people benefit from the solar energy.



SOLAR KIT

HLS1007

APPLICATION



TECHNICAL PARAMETERS	
HLS SERIES SOLAR LIGHTING SYSTEM	
Model	HLS1007
Solar Panel	10W18V
Battery	12V7Ah
Controller	12V5A
Inverter	Not Available
Output	12VDC, 4 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable and on/off switch, Charge cable with different heads, AC adaptor
Daily Energy Yield	~50Wh
Full Charge Time	~1.3days
Recommended Applications	Lighting, Radio, Phone charging, etc.



Appliance	LED
Power	1.5
Number	2
Recommended Daily Working Hours	5
Energy Consumption (Wh)	15



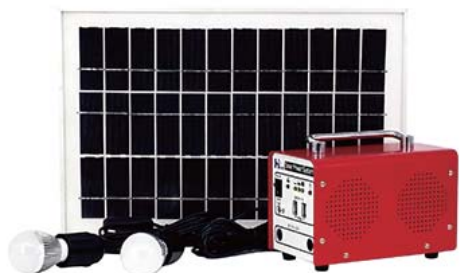
Appliance	Phone Charger
Power	5
Number	1
Recommended Daily Working Hours	3
Energy Consumption (Wh)	15



Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10

Total Daily Energy Consumption (Wh)	40
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HLS2012



TECHNICAL PARAMETERS

HLS SERIES SOLAR LIGHTING SYSTEM

Model	HLS2012
Solar Panel	20W18V
Battery	12V12Ah
Controller	12V5A
Inverter	Not Available
Output	12VDC, 4 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~100Wh
Full Charge Time	~1.1days
Recommended Applications	Lighting, DC TV, Radio, Phone charging, etc.

APPLICATION



Appliance	LED
Power	3
Number	2
Recommended Daily Working Hours	5
Energy Consumption (Wh)	30



Appliance	Phone Charger
Power	5
Number	1
Recommended Daily Working Hours	3
Energy Consumption (Wh)	15



Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10



Appliance	TV
Power	15
Number	1
Recommended Daily Working Hours	1
Energy Consumption (Wh)	15

Total Daily Energy Consumption (Wh)

70

HLS3024



TECHNICAL PARAMETERS

HLS SERIES SOLAR LIGHTING SYSTEM

Model	HLS3024
Solar Panel	30W18V
Battery	12V24Ah
Controller	12V5A
Inverter	Not Available
Output	12VDC, 4 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~150Wh
Full Charge Time	~1.5days
Recommended Applications	Lighting, DC TV, Radio, Phone charging, etc.

APPLICATION



Appliance	LED
Power	3
Number	2
Recommended Daily Working Hours	5
Energy Consumption (Wh)	30



Appliance	Phone Charger
Power	5
Number	2
Recommended Daily Working Hours	3
Energy Consumption (Wh)	30



Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10



Appliance	TV
Power	15
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	30



Total Daily Energy Consumption (Wh)	100
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HLS5038

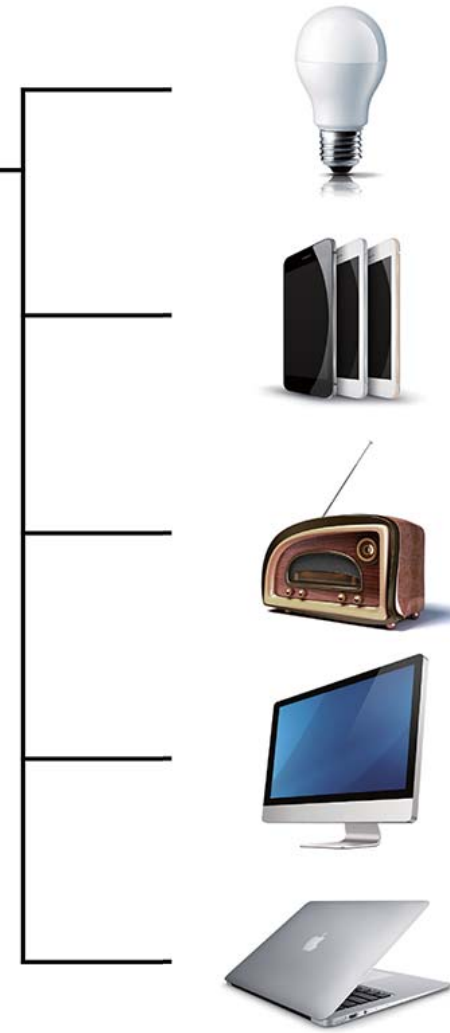


TECHNICAL PARAMETERS

HLS SERIES SOLAR LIGHTING SYSTEM

Model	HLS5038
Solar Panel	50W18V
Battery	12V38Ah
Controller	12V10A
Inverter	200W, modified sine wave
Output	12VDC, 8 ports; 220VAC, 1 port
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~250Wh
Full Charge Time	~1.4days
Recommended Applications	Lighting, TV, Phone charging, Laptop, Radio, Camera, etc.

APPLICATION



Appliance	LED
Power	3
Number	4
Recommended Daily Working Hours	5
Energy Consumption (Wh)	60

Appliance	Phone Charger
Power	5
Number	2
Recommended Daily Working Hours	3
Energy Consumption (Wh)	30

Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10

Appliance	TV
Power	15
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	30

Appliance	Laptop
Power	30
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	60

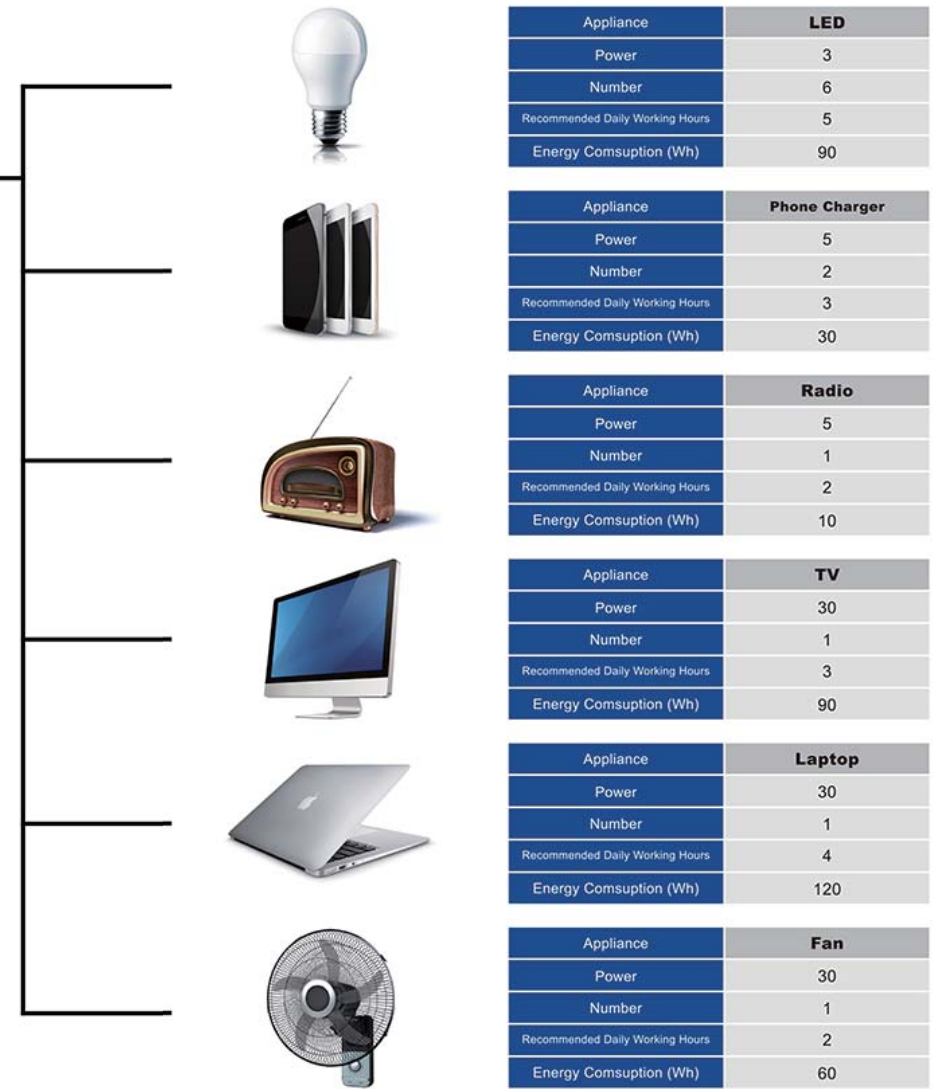
Total Daily Energy Consumption (Wh)	190
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HLS10080



TECHNICAL PARAMETERS	
HLS SERIES SOLAR LIGHTING SYSTEM	
Model	HLS10080
Solar Panel	100W18V
Battery	12V80Ah
Controller	12V10A
Inverter	400W, pure sine wave
Output	12VDC, 8 ports; 220VAC, 2 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~500Wh
Full Charge Time	~1.5days
Recommended Applications	Lighting, Fans, TV, Phone charging, Laptop, Radio, Camera, Small AC appliance, etc.

APPLICATION



Appliance	LED
Power	3
Number	6
Recommended Daily Working Hours	5
Energy Consumption (Wh)	90

Appliance	Phone Charger
Power	5
Number	2
Recommended Daily Working Hours	3
Energy Consumption (Wh)	30

Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10

Appliance	TV
Power	30
Number	1
Recommended Daily Working Hours	3
Energy Consumption (Wh)	90

Appliance	Laptop
Power	30
Number	1
Recommended Daily Working Hours	4
Energy Consumption (Wh)	120

Appliance	Fan
Power	30
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	60

Total Daily Energy Consumption (Wh)	490
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HLS150100



TECHNICAL PARAMETERS	
HLS SERIES SOLAR LIGHTING SYSTEM	
Model	HLS150100
Solar Panel	150W18V
Battery	12V100Ah
Controller	12V10A
Inverter	400/600/1000W, pure sine wave
Output	12VDC, 8 ports; 220VAC, 2 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~750Wh
Full Charge Time	~1.3days
Recommended Applications	Lighting, Fans, TV, Phone charging, Laptop, Radio, Camera, Small AC appliance, etc.

APPLICATION

	<table border="1"> <thead> <tr> <th>Appliance</th> <th>LED</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>3</td> </tr> <tr> <td>Number</td> <td>6</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>5</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>90</td> </tr> </tbody> </table>	Appliance	LED	Power	3	Number	6	Recommended Daily Working Hours	5	Energy Consumption (Wh)	90
Appliance	LED										
Power	3										
Number	6										
Recommended Daily Working Hours	5										
Energy Consumption (Wh)	90										
	<table border="1"> <thead> <tr> <th>Appliance</th> <th>Phone Charger</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>5</td> </tr> <tr> <td>Number</td> <td>2</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>3</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>30</td> </tr> </tbody> </table>	Appliance	Phone Charger	Power	5	Number	2	Recommended Daily Working Hours	3	Energy Consumption (Wh)	30
Appliance	Phone Charger										
Power	5										
Number	2										
Recommended Daily Working Hours	3										
Energy Consumption (Wh)	30										
	<table border="1"> <thead> <tr> <th>Appliance</th> <th>Radio</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>5</td> </tr> <tr> <td>Number</td> <td>1</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>2</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>10</td> </tr> </tbody> </table>	Appliance	Radio	Power	5	Number	1	Recommended Daily Working Hours	2	Energy Consumption (Wh)	10
Appliance	Radio										
Power	5										
Number	1										
Recommended Daily Working Hours	2										
Energy Consumption (Wh)	10										
	<table border="1"> <thead> <tr> <th>Appliance</th> <th>TV</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>30</td> </tr> <tr> <td>Number</td> <td>1</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>5</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>150</td> </tr> </tbody> </table>	Appliance	TV	Power	30	Number	1	Recommended Daily Working Hours	5	Energy Consumption (Wh)	150
Appliance	TV										
Power	30										
Number	1										
Recommended Daily Working Hours	5										
Energy Consumption (Wh)	150										
	<table border="1"> <thead> <tr> <th>Appliance</th> <th>Laptop</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>30</td> </tr> <tr> <td>Number</td> <td>1</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>4</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>120</td> </tr> </tbody> </table>	Appliance	Laptop	Power	30	Number	1	Recommended Daily Working Hours	4	Energy Consumption (Wh)	120
Appliance	Laptop										
Power	30										
Number	1										
Recommended Daily Working Hours	4										
Energy Consumption (Wh)	120										
	<table border="1"> <thead> <tr> <th>Appliance</th> <th>Fan</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>30</td> </tr> <tr> <td>Number</td> <td>1</td> </tr> <tr> <td>Recommended Daily Working Hours</td> <td>5</td> </tr> <tr> <td>Energy Consumption (Wh)</td> <td>150</td> </tr> </tbody> </table>	Appliance	Fan	Power	30	Number	1	Recommended Daily Working Hours	5	Energy Consumption (Wh)	150
Appliance	Fan										
Power	30										
Number	1										
Recommended Daily Working Hours	5										
Energy Consumption (Wh)	150										
<table border="1"> <tbody> <tr> <td>Total Daily Energy Consumption (Wh)</td> <td>550</td> </tr> </tbody> </table>		Total Daily Energy Consumption (Wh)	550								
Total Daily Energy Consumption (Wh)	550										

HLS200100



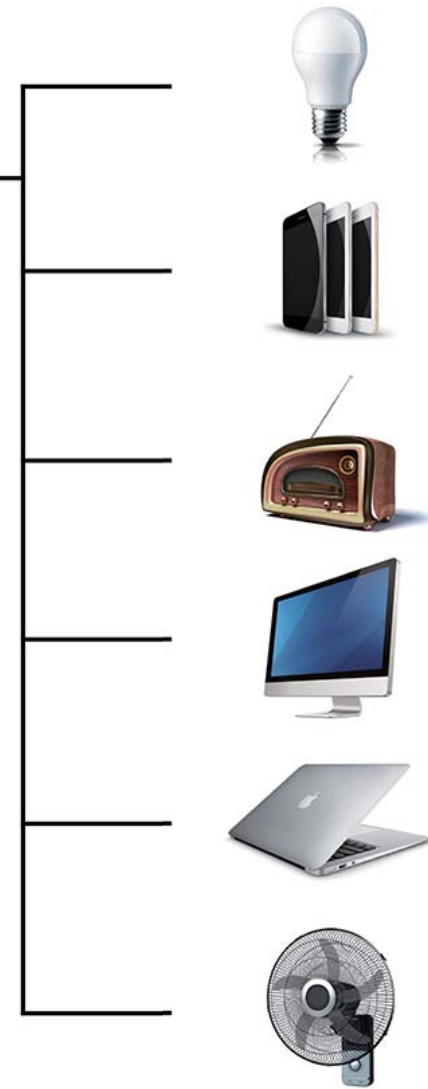
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TECHNICAL PARAMETERS

HLS SERIES SOLAR LIGHTING SYSTEM

Model	HLS200100
Solar Panel	200W18V
Battery	12V100Ah
Controller	12V15A
Inverter	400/600/1000W, pure sine wave
Output	12VDC, 8 ports; 220VAC, 2 ports
USB Output	5V1A, 2 ports
Accessory (optional)	LED bulb with cable, Charge cable with different heads, AC adaptor
Daily Energy Yield	~1000Wh
Full Charge Time	~1days
Recommended Applications	Lighting, Fans, TV, Phone charging, Laptop, Radio, Camera, Small AC appliance, etc.

APPLICATION



Appliance	LED
Power	3
Number	6
Recommended Daily Working Hours	5
Energy Consumption (Wh)	90

Appliance	Phone Charger
Power	5
Number	2
Recommended Daily Working Hours	3
Energy Consumption (Wh)	30

Appliance	Radio
Power	5
Number	1
Recommended Daily Working Hours	2
Energy Consumption (Wh)	10

Appliance	TV
Power	30
Number	1
Recommended Daily Working Hours	5
Energy Consumption (Wh)	150

Appliance	Laptop
Power	30
Number	1
Recommended Daily Working Hours	4
Energy Consumption (Wh)	120

Appliance	Fan
Power	30
Number	2
Recommended Daily Working Hours	5
Energy Consumption (Wh)	300

Total Daily Energy Consumption (Wh)	700
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CHARGE CONTROLLER & INVERTER



PWM CONTROLLER

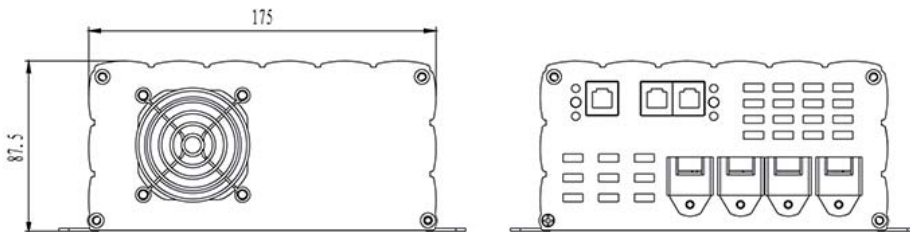
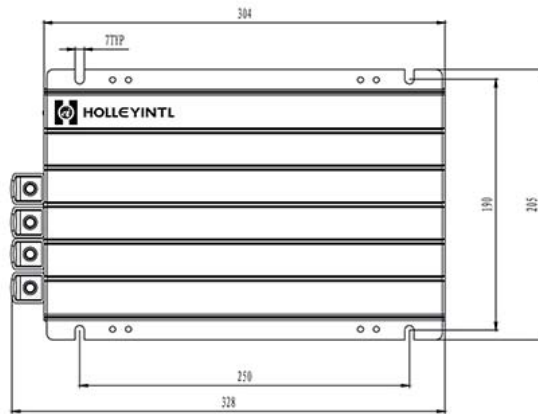
- Automatic choice of charging mode (Equalizing charging, quick charging, floating charging)
- Automatic choice of discharging mode (general, single period timing, segmentation timing)
- Automatic detection of voltage--12V/24V
- Automatic current adjustment according to load Common positive grounding
- 3 LEDs show state of charging and fault messages



TECHNICAL PARAMETERS:

Electrical Parameter			
Item	PWM20	PWM30	PWM40
Maximum charging current	20A	30A	40A
Maximum load current	20A	30A	40A
System voltage	12V/24V		
Maximum self-consumption current	<4mA		
Final charging voltage (floating charge)	13.8V (27.6V)		
Quick charging voltage	14.0V (28.0V)		
Equalizing charging voltage	14.4V (28.8V)		
Low voltage recovery point (LVR)	12.6V (25.2V)		
Temperature compensation	-4.0mV/C/cell		
Protection			
Protection class	IP21		
Deep discharge protection(LVD)	11.0V (22.0V)		
Overvoltage protection point	15.5V (31.0V)		
Operation condition			
Humidity	0~99%		
Altitude	≤3000m		
Working environment temperature	-25℃~ +50℃		
Storage Temperature	-30℃~ +70℃		
General data			
Mounting hole size	D = 3mm		
Dims	195×110×50mm		
Weight	600g		

MPPT CONTROLLER



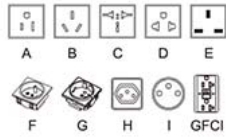
Electrical characteristics

Model	MPPT 40	MPPT 60
Max. charging current	40A adjustable (40 °C)	60A adjustable (40 °C)
Max. input voltage (Voc)	150V	
System voltage	12V/24V/36V/48V	
No load consumption	<2W	
Temperature compensation	-4 mv/ C/cell (based on 25 °C)	
Charging efficiency	>98%	
Network cabling	Connect to special network using the RJ45 module connector and CAT 5e cable (8 cores)	
Data collection	Optional (REMOTE01, ADM-01, ADM-BLUE, ADM-GPRS)	
Charging method	Equalize charging, Fast charging, Float charging	
Float charging voltage	13.7/27.4/41.1/54.8V, voltage adjustable	
Fast charging voltage	14.0/28.0/42.0/56.0V, voltage adjustable	
Equalize charging voltage	14.4/28.8/43.2/57.6V voltage adjustable	
Communication port	RS485 (MODBUS Protocol)	
Dry port	Remote control, Under-voltage shut down, Generator start	
Operating conditions		
Temperature	Operating temperature: -20 to 50 °C (Above 40 °C, the rated power will decrease) Storage & Transportation temperature: -30 to 70 °C	
Sea level	≤3000m (Above 1000m, the rated power will decrease, each 100m higher, the power will decrease by 1%)	
Dimensions & Weight		
Dimension	328 x 205 x 87.5mm	
Weight	3.7kg / 4.2kg	
Protection		
Overheat protection	70 °C (recover after the temperature back to normal)	
Reverse connection protection	Input / Output of the controller	
Protection level	IP21	

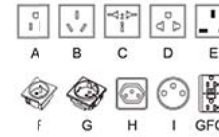
400W PURE SINE WAVE DC TO AC POWER INVERTER



Model	P400U-121	P400U-122	P400U-241	P400U-242
Rated power	400W			
Surge power	800W (Few seconds)			
Output voltage	110V	230V	110V	230V
Output frequency	50/60Hz ±3%			
No load current draw	≤0.6A			
Output waveform	Pure Sine Wave			
USB port	5V, 2.1A			
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload			
Input voltage	12V	24V		
Replaceable fuse	50A x 1		25A x 1	
Cooling fan	By load control			
Dimension	21.5 x 15 x 5.8 cm			
Net weight/Unit	1500g			
QTY/Ctn	8PCS			
Dimension/Ctn	52.5 x 38.5 x 30 cm			
Certificates	CE-EMC/LVD, RoHS, E-Mark			



Note: If without USB, the model is P400



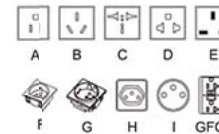
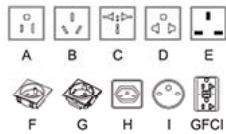
1000W PURE SINE WAVE DC TO AC POWER INVERTER

Model	P1000-121	P1000-122	P1000-241	P1000-242	P1000-481	P1000-482
Rated power	1000W					
Surge power	2000W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤0.8A					
Output waveform	Pure Sine Wave					
LED indicator	Green: Power On; Red: Failure & Protection					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V		48V		
Replaceable fuse	30A x 4		15A x 4		10A x 4	
Cooling fan	By load control					
Dimension	29.3 x 15 x 9.75 cm					
Net weight/Unit	2900g					
QTY/Ctn	4PCS					
Dimension/Ctn	38.5 x 35 x 34 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

600W PURE SINE WAVE DC TO AC POWER INVERTER



Model	P600-121	P600-122	P600-241	P600-242	P600-481	P600-482
Rated power	600W					
Surge power	1200W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤0.7A					
Output waveform	Pure Sine Wave					
LED indicator	Green: Power On; Red: Failure & Protection					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V		48V		
Replaceable fuse	40A x 2		20A x 2		10A x 2	
Cooling fan	By load control					
Dimension	26 x 15 x 7.77 cm					
Net weight/Unit	2030g					
QTY/Ctn	6PCS					
Dimension/Ctn	57 x 30.5 x 30 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

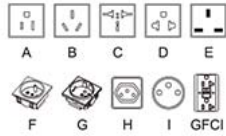


1500W PURE SINE WAVE DC TO AC POWER INVERTER

Model	P1500U-121	P1500U-122	P1500U-241	P1500U-242	P1500U-481	P1500U-482
Rated power	1500W					
Surge power	4500W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤0.8A					
Output waveform	Pure Sine Wave					
USB port	5V, 500mA (Optional)			For 48V, No USB		
Remote control	Optional					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V		48V		
Replaceable fuse	30A x 6		15A x 6		7.5A x 6	
Cooling fan	By load control					
Dimension	34.5 x 23 x 10.8 cm					
Net weight/Unit	4800g					
QTY/Ctn	2PCS					
Dimension/Ctn	40 x 31 x 38 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

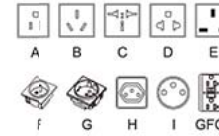
Note: If without USB, the model is PS1500

2000W PURE SINE WAVE DC TO AC POWER INVERTER



Model	P2000U-121	P2000U-122	P2000U-241	P2000U-242	P2000U-481	P2000U-482
Rated power	2000W					
Surge power	6000W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤1A					
Output waveform	Pure Sine Wave					
USB port	5V, 500mA (Optional)			For 48V, No USB		
Remote control	Optional					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V	48V			
Replaceable fuse	30A x 8	15A x 8	7.5A x 8			
Cooling fan	By load control					
Dimension	34.5 x 25 x 10.8 cm					
Net weight/Unit	5000g					
QTY/Ctn	2PCS					
Dimension/Ctn	40 x 31.5 x 38 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

Note: If without USB, the model is PS2000

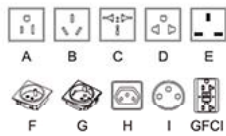


3000W PURE SINE WAVE DC TO AC POWER INVERTER

Model	P3000U-121	P3000U-122	P3000U-241	P3000U-242	P3000U-481	P3000U-482
Rated power	3000W					
Surge power	9000W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤1.5A					
Output waveform	Pure Sine Wave					
USB port	5V, 500mA (Optional)					
Remote control	Optional					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V	48V			
Replaceable fuse	30A x 12	15A x 12	7.5A x 12			
Cooling fan	By load control					
Dimension	45.5 x 23 x 10.8 cm					
Net weight/Unit	7200g					
QTY/Ctn	2PCS					
Dimension/Ctn	53 x 32 x 40.5 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

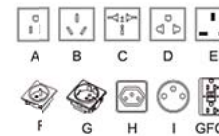
Note: If without USB, the model is PS3000

2500W PURE SINE WAVE DC TO AC POWER INVERTER



Model	P2500U-121	P2500U-122	P2500U-241	P2500U-242	P2500U-481	P2500U-482
Rated power	2500W					
Surge power	7500W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤1.2A					
Output waveform	Pure Sine Wave					
USB port	5V, 500mA (Optional)			For 48V, No USB		
Remote control	Optional					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V	48V			
Replaceable fuse	30A x 10	15A x 10	7.5A x 10			
Cooling fan	By load control					
Dimension	45.5 x 23 x 10.8 cm					
Net weight/Unit	7000g					
QTY/Ctn	2PCS					
Dimension/Ctn	53 x 32 x 40.5 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

Note: If without USB, the model is PS2500



4000W PURE SINE WAVE DC TO AC POWER INVERTER

Model	P4000U-121	P4000U-122	P4000U-241	P4000U-242	P4000U-481	P4000U-482
Rated power	4000W					
Surge power	8000W (Few seconds)					
Output voltage	110V	230V	110V	230V	110V	230V
Output frequency	50/60Hz ±3%					
No load current draw	≤1.6A					
Output waveform	Pure Sine Wave					
USB port	5V, 500mA (Optional)			For 48V, No USB		
Remote control	Optional					
Protection function	Bat. Low voltage alarm & Shut down, Over temperature, Over voltage, Short circuit, Reverse polarity, Earth leakage, Overload					
Input voltage	12V	24V	48V			
Replaceable fuse	30A x 15	15A x 15	7.5A x 15			
Cooling fan	By load control					
Dimension	45.5 x 23 x 10.8 cm					
Net weight/Unit	7500g					
QTY/Ctn	2PCS					
Dimension/Ctn	53 x 32 x 40.5 cm					
Certificates	CE-EMC/LVD, RoHS, E-Mark					

Note: If without USB, the model is PS4000

Memorandum

