

## LIANNET Household Solar System

LIANNET Home solar power system some residents are still suffering greatly where lack of or no electricity since rising price of fossil energy of difficulty to introduce commercial grid. Home solar power system converting solar energy high efficiently can help owner access to the electricity life easily and reduce electricity fee greatly .It can be used for various house appliances such as TV, Fans , Lightings, Mobiles air-condition, washer, computer, freezer, cooker, pump etc. The home solar power system uses the PV module to convert the solar energy into electricity without any pollution.



DC Portable Solar System



AC house Solar System

### Feature

·High Efficiency:

Adopting the advanced crystalline PV modules (<15%),digital solar inverter (<96%) to make full use of the solar energy and electricity

·Best Mobility

Easy installation and maintenance, smart structure ,convenience of packaging and moving

·High Reliability

Adopting GEL battery or optional battery. Easy installation and nearly free of maintenance. The life time of the PV module and controller &inverter can be up to 20 and 5 years

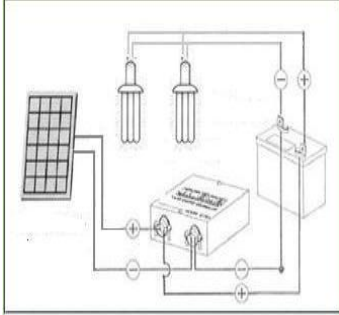

·Strong Adaptation

Wide range working temperature (-20 to +60℃) .Wide range of humidity ,strong compatibility with strict environment

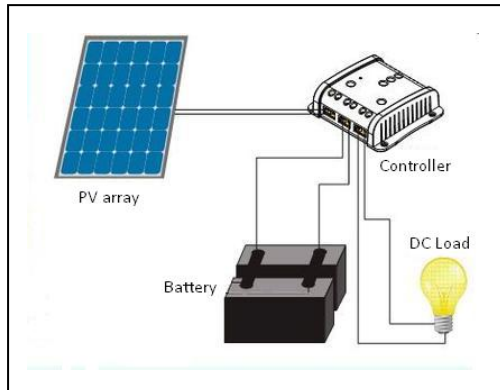
### Application

- Remote villages
- Islands
- Nomadism areas
- Mountain areas etc.

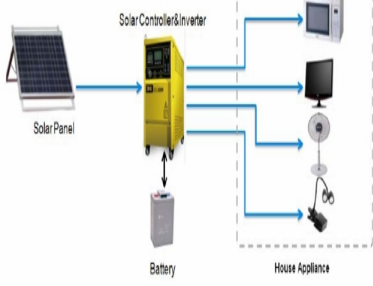

## 1.20W DC Household solar system

		Technical data:		
		Item	Specification	
	Solar panel	Type	12V-20Wp	
		Output power	80Wh/day (4hours)	
		Output voltage	DC12V; 5V	
		Size	530mm*340mm*25mm	
		Weight	2.5Kg	
	Storage battery	Type	Lead acid	
		Capacity	12V/9Ah	
		DOD	75%	
	Controller	Voltage	12V	
		Current	3A	
		Operation temperature	-20°C to +50°C	
Loads references				
Loads Name	Power	quantity	Running hours	Daily consumption
LED lamp	1W	3	8	24Wh
LED lamp	3W	2	4	24Wh
Cell phone	2.5W	1	8	20Wh
Total				68Wh

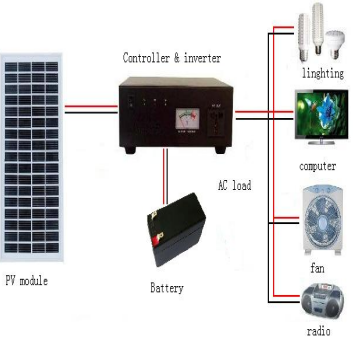
## 2.30W DC Household solar system



### 3. 50W DC Household solar system

	<b>Technical data:</b>			
	<b>Item</b>		<b>Specification</b>	
<b>Solar panel</b>		<b>Type</b>	12V-50Wp	
		<b>Output power</b>	200Wh/day (4hours)	
		<b>Output voltage</b>	DC12V	
		<b>Size</b>	600mm*620mm*25mm	
		<b>Weight</b>	6Kg	
<b>Storage battery</b>		<b>Type</b>	Lead acid	
		<b>Capacity</b>	12V/25Ah	
		<b>DOD</b>	75%	
		<b>Output power</b>	225Wh	
<b>Controller</b>		<b>Voltage</b>	12V	
		<b>Current</b>	5A	
<b>Operation temperature</b>		-20°C to +50°C		
<b>Loads references</b>				
<b>Loads Name</b>	<b>Power</b>	<b>quantity</b>	<b>Running hours</b>	<b>Daily consumption</b>
LED lamp	3W	1	6	18Wh
Cell phone	2W	1	4	8Wh
Radio	3W	3	4	12Wh
DC TV	70W	1	2	140Wh
<b>Total</b>				178Wh

## 4. 90W AC/DC Household solar system

		<b>Technical data:</b>	
Solar panel	Type	12V-90Wp	
	Output power	360Wh/day (4hours)	
	Output voltage	DC12V/AC110~220V	
	Size	660mm*1000mm*30mm	
	Weight	7Kg	
	Storage battery	Type	Lead acid
Capacity		12V/45Ah	
DOD		75%	
Output power		405Wh	
Controller	Voltage	12V	
	Current	8A	
Inverter	Wave Type	Pure sine Wave	
	DC Input	10.8~28VDC	
	AC Output	120~230VAC	
	Output power	100W	
Operation temperature		-20°C to +50°C	

Loads references				
Loads Name	Power	quantity	Running hours	Daily consumption
LED light	5W	2	5	50Wh
Cell phone	2W	2	4	16Wh
Small fan	5W	1	3	15Wh
Computer	70W	1	2	140Wh
Color TV	100W	1	1	100Wh
<b>Total</b>				<b>321Wh</b>

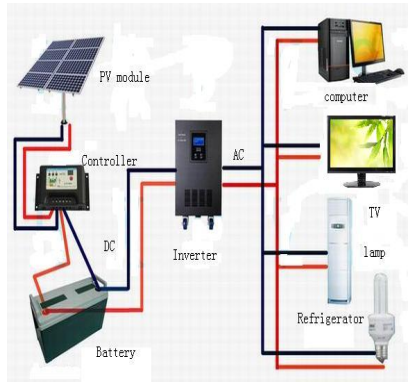
## 5. 180W AC/DC Household solar system

		<b>Technical data:</b>																																								
		<table border="1"> <thead> <tr> <th>Item</th> <th colspan="2">Specification</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Solar panel</td> <td>Type</td> <td>24V-180Wp</td> </tr> <tr> <td>Output power</td> <td>720Wh/day (4hours)</td> </tr> <tr> <td>Output voltage</td> <td>AC110~220V</td> </tr> <tr> <td>Size</td> <td>1360mm*990mm*40mm</td> </tr> <tr> <td>Weight</td> <td>16.8Kg</td> </tr> <tr> <td rowspan="4">Storage battery</td> <td>Type</td> <td>Lead acid</td> </tr> <tr> <td>Capacity</td> <td>12V /45Ah*2PCS</td> </tr> <tr> <td>DOD</td> <td>75%</td> </tr> <tr> <td>Output power</td> <td>810Wh</td> </tr> <tr> <td rowspan="2">Controller</td> <td>Voltage</td> <td>24V</td> </tr> <tr> <td>Current</td> <td>10A</td> </tr> <tr> <td rowspan="4">Inverter</td> <td>Wave Type</td> <td>Pure sine Wave</td> </tr> <tr> <td>DC Input</td> <td>10.8~28VDC</td> </tr> <tr> <td>AC Output</td> <td>120~230VAC</td> </tr> <tr> <td>Output power</td> <td>200W</td> </tr> <tr> <td colspan="2">Operation temperature</td> <td colspan="2">-20°C to +50°C</td> </tr> </tbody> </table>		Item	Specification		Solar panel	Type	24V-180Wp	Output power	720Wh/day (4hours)	Output voltage	AC110~220V	Size	1360mm*990mm*40mm	Weight	16.8Kg	Storage battery	Type	Lead acid	Capacity	12V /45Ah*2PCS	DOD	75%	Output power	810Wh	Controller	Voltage	24V	Current	10A	Inverter	Wave Type	Pure sine Wave	DC Input	10.8~28VDC	AC Output	120~230VAC	Output power	200W	Operation temperature	
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Loads Name	Power	quantity	Running hours	Daily consumption																																						
LED light	5W	2	6	60Wh																																						
Cell phone	2W	2	4	16Wh																																						
Fan	20W	1	5	100Wh																																						
Computer	70W	1	4	280Wh																																						
Color TV	100W	1	3	300Wh																																						
Total				756Wh																																						

## 6. 360W AC/DC Household solar system


	<b>Technical data:</b>			
	<b>Item</b>		<b>Specification</b>	
	<b>Solar panel</b>	<b>Type</b>	180Wp*2PCS -24V	
		<b>Output power</b>	1440Wh/day (4hours)	
		<b>Output voltage</b>	AC110~220V	
		<b>Size</b>	1360mm*990mm*40mm	
		<b>Weight</b>	16.8Kg/ PCS	
	<b>Storage battery</b>	<b>Type</b>	Lead acid	
		<b>Capacity</b>	12V/90Ah*2PCS	
		<b>DOD</b>	75%	
		<b>Output power</b>	1620Wh	
<b>Controller</b>	<b>Voltage</b>	24V		
	<b>Current</b>	15A		
<b>Inverter</b>	<b>Wave Type</b>	Pure sine Wave		
	<b>DC Input</b>	10.8~28VDC		
	<b>AC Output</b>	120~230VAC		
	<b>Output power</b>	300W		
<b>Operation temperature</b>		-20°C to +50°C		
<b>Loads references</b>				
<b>Loads Name</b>	<b>Power</b>	<b>quantity</b>	<b>Running hours</b>	<b>Daily consumption</b>
LED light	5W	2	6	60Wh
Fan	20W	1	3	60Wh
AOFAX	100W	1	1	100Wh
Computer	70W	1	8	560Wh
Color TV	100W	1	3	300Wh
Washer	300W	1	1	300Wh
<b>Total</b>				1380Wh

## 7. 540W AC/DC Household solar system

	<b>Technical data:</b>			
Item	Specification			
Solar panel	Parameter	180Wp-24V*3PCS		
	Output power	1620W/Day (4hours)		
	Output voltage	AC110~220V		
	Size	1360mm*990mm*40mm		
	Weight	16.8Kg/ PCS		
Storage battery	Type	Lead acid		
	Capacity	12V/100Ah*2pcs		
	DOD	75%		
	Output power	1800Wh		
Controller	Voltage	24V		
	Current	20A		
Inverter	Wave Type	Pure sine Wave		
	DC Input	10.8~28VDC		
	AC Output	120~230VAC		
	Output power	600W		
Operation temperature		-20°C to +50°C		
<b>Loads references</b>				
Loads Name	Power	quantity	Running hours	Daily consumption
LED light	5W	4	6	120Wh
Fan	20W	3	3	180Wh
AOFAX	100W	1	2	200Wh
Computer	70W	1	6	420Wh
Color TV	100W	1	3	300Wh
Washer	300W	1	1	300Wh
Total				1520Wh




## 8. 980W AC/DC Household solar system

	<b>Technical data:</b>				
<b>Item</b>		<b>Specification</b>			
Solar panel	Type	245Wp*4PCS 36V			
	Output power	3920Wh/day(4hours)			
	Output voltage	AC110~220V			
	Size	1610mm*992mm*45mm			
	Weight	24Kg/ PCS			
Storage battery	Type	Lead acid			
	Capacity	12V/250Ah*2PCS			
	DOD	75%			
	Output power	4500Wh			
Controller	Voltage	24V			
	Current	40A			
Inverter	Wave Type	Pure sine Wave			
	DC Input	10.8~28VDC			
	AC Output	120~230VAC			
	Output power	1000W			
Operation temperature		-20°C to +50°C			
<b>Loads references</b>					
Loads Name	Power	quantity	Running hours	Daily consumption	
LED light	5W	6	8	240Wh	
Fan	20W	4	6	480Wh	
AOFAX	100W	1	2	200Wh	
Computer	70W	2	8	1120Wh	
Color TV	100W	2	3	600Wh	
Washer	300W	1	1	300Wh	
Water pump	400W	1	1	400Wh	
Printer	250W	1	2	500Wh	
Total				3840Wh	

## 9. 2205W AC/DC Household solar system

<b>Technical data:</b>				
Item	Specification			
Solar panel	Type	245Wp*9PCS 36V		
	Output power	8820Wh/day(4hours)		
	Output voltage	AC110~220V		
	Size	1610mm*992mm*45mm		
	Weight	24Kg/ PCS		
Storage battery	Type	Lead acid		
	Capacity	2V/250Ah*24PCS		
	DOD	75%		
Controller	Output power	9000Wh		
	Voltage	48V		
Inverter	Current	40A		
	Wave Type	Pure sine Wave		
	DC Input	10.8~28VDC		
	AC Output	120~230VAC		
Operation temperature	Output power	2500W		
		-20℃ to +50℃		
<b>Loads references</b>				
Loads Name	Power	quantity	Running hours	Daily consumption
LED light	5W	6	8	240Wh
Air-condition	750W	1	4	2250Wh
AOFAX	100W	1	2	200Wh
Computer	70W	2	8	1120Wh
Color TV	100W	2	3	600Wh
Washer	300W	1	2	600Wh
Water pump	400W	1	1	400Wh
Printer	250W	1	2	500Wh
Electric-cooker	700W	1	2	1400Wh
Total				8140Wh

## 10. 3430W AC Household solar system

	<b>Technical data:</b>			
Item	Specification			
Solar panel	Type	245Wp*14PCS-36V		
	Output power	13.72KWh/day (4hours)		
	Output voltage	AC110~220V		
	Size	1610mm*992mm*45mm		
	Weight	24Kg/ PCS		
Storage battery	Type	Lead acid		
	Capacity	2V/400Ah*24PCS		
	DOD	75%		
	Output power	14400Wh		
Controller	Voltage	48V		
	Current	60A		
Inverter	Wave Type	Pure sine Wave		
	DC Input	10.8~28VDC		
	AC Output	120~230VAC		
	Output power	3500W		
Operation temperature			-20℃ to +50℃	
<b>Loads references</b>				
Loads Name	Power	quantity	Running hours	Daily consumption
LED light	5W	6	8	240Wh
Air-condition	800W	1	4	3200Wh
AOFAX	100W	1	2	200Wh
Computer	70W	2	10	1400Wh
Color TV	100W	2	8	1600Wh
Washer	300W	1	1	300Wh
Water pump	400W	1	3	1200Wh
Printer	250W	1	2	500Wh
Microwave oven	1000W	1	1	1000Wh
Electric cooker	700W	1	4	2800Wh
Total				12240Wh

## 11. 5145W AC/DC Household solar system

		<b>Technical data:</b>																																									
		<table border="1"> <thead> <tr> <th>Item</th> <th colspan="2">Specification</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Solar panel</td> <td>Type</td> <td>245Wp*21PCS-36V</td> </tr> <tr> <td>Output power</td> <td>20.58KWh/day (4hours)</td> </tr> <tr> <td>Output voltage</td> <td>AC110~220V</td> </tr> <tr> <td>Size</td> <td>1610mm*992mm*45mm</td> </tr> <tr> <td>Weight</td> <td>24Kg/ PCS</td> </tr> <tr> <td rowspan="3">Storage battery</td> <td>Type</td> <td>Lead acid</td> </tr> <tr> <td>Capacity</td> <td>2V/650Ah*24PCS</td> </tr> <tr> <td>DOD</td> <td>75%</td> </tr> <tr> <td rowspan="2">Controller</td> <td>Voltage</td> <td>48V</td> </tr> <tr> <td>Current</td> <td>120A</td> </tr> <tr> <td rowspan="4">Inverter</td> <td>Wave Type</td> <td>Pure sine Wave</td> </tr> <tr> <td>DC Input</td> <td>10.8~28VDC</td> </tr> <tr> <td>AC Output</td> <td>120~230VAC</td> </tr> <tr> <td>Output power</td> <td>6000W</td> </tr> <tr> <td colspan="2">Operation temperature</td> <td colspan="2">-20°C to +50°C</td> </tr> </tbody> </table>			Item	Specification		Solar panel	Type	245Wp*21PCS-36V	Output power	20.58KWh/day (4hours)	Output voltage	AC110~220V	Size	1610mm*992mm*45mm	Weight	24Kg/ PCS	Storage battery	Type	Lead acid	Capacity	2V/650Ah*24PCS	DOD	75%	Controller	Voltage	48V	Current	120A	Inverter	Wave Type	Pure sine Wave	DC Input	10.8~28VDC	AC Output	120~230VAC	Output power	6000W	Operation temperature		-20°C to +50°C	
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Loads Name	Power	quantity	Running hours	Daily consumption																																							
LED light	5W	6	8	240Wh																																							
Air-condition	1500W	2	3	9000Wh																																							
AOFAX	100W	1	2	200Wh																																							
Computer	70W	2	10	1400Wh																																							
Color TV	100W	2	8	1600Wh																																							
Washer	300W	1	1	300Wh																																							
Water pump	400W	1	3	1200Wh																																							
Printer	250W	1	2	500Wh																																							
Microwave oven	1000W	1	1	1000Wh																																							
Electric cooker	700W	1	4	2800Wh																																							
Total				18400Wh																																							