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XIAMEN SOLAR FIRST ENERGY TECHNOLOGY CO.,LTD.

Xiamen Solar First Energy Technology Co., Ltd. is a high-tech enterprise specialized in manufacturing solar PV products. With our professional R & D team, efficient management team and high quality of the workforce, Solar First staffs commit to provide customers with the most stable & reliable, economical & efficient solar PV system solutions.

Since establishment, Solar First solar PV products have been taking the lead in the global PV markets, with products sold well in more than 100 countries and regions, and has become one of the largest export enterprises of solar PV products and production & sales integrated enterprise.

COMPANY PROFILE



CONTENTS



- SOLAR WATER PUMP SYSTEM



- SOLAR GARDEN LIGHT
- WIND&SOLAR HYBIRD STREET LIGHT
- SOLAR STREET LIGHT



- OFF-GRID SOLAR SYSTEM
- ON-GRID SOLAR SYSTEM

SOLAR WATER PUMP SYSTEM



Type 1: DC solar water pump system

Components of DC solar water pump

- Solar pump
- Solar panel
- Solar pump controller
- Solar mounting system
- Solar cables
- Battery should be included if the pump also works at night

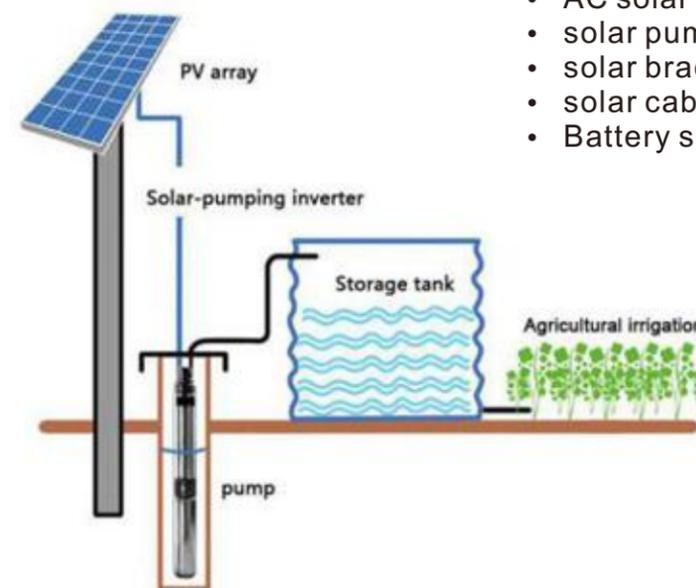
■ Working diagram of DC solar water pump system



Type 2: DC solar water pump system

Components of AC solar water pump

- solar panels
- AC solar water pump
- solar pump inverter
- solar bracket
- solar cables
- Battery should be included if the pump also works at night



■ Working diagram of AC solar water pump system

The advantages of solar pump system

- Reliable and long life span
- No pollution
- Energy saving
- Especially resolve water supply difficulties in remote area
- Low labor and maintenance costs

The application of solar pump system

- Agricultural irrigation
- Daily water supply for houses
- Water supply for livestock and plants
- Water treatment
- Solar fountain for gardens
- Solar swimming pool pump

SOLAR GARDEN LIGHT

The Advantage of latest product

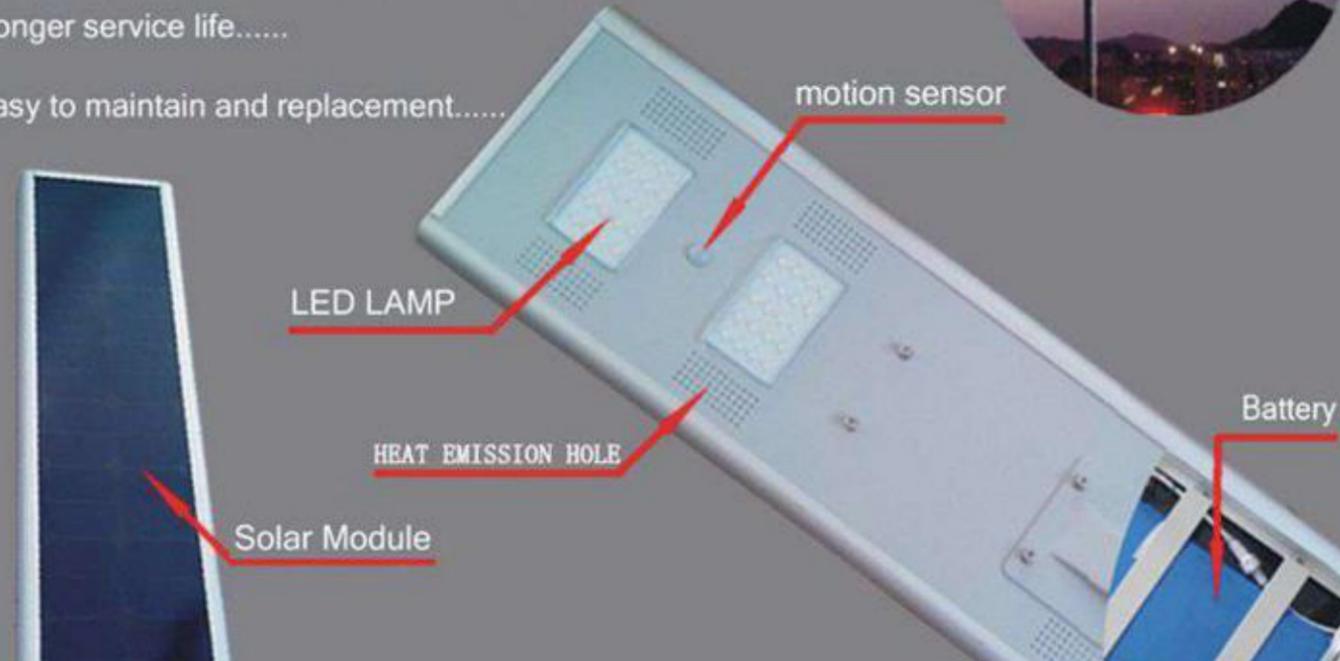
All in one, Integration design

put solar panel, LED lamp, battery and controller all in one box

without any cable, easy to install and ship

Longer service life.....

Easy to maintain and replacement.....



Integrated Solar Lights

- Solar panel: High efficiency monocrystal panel/sunpower
- LED lamp: 8W-80W high lumens, Chip from USA
- Battery Type: High capacity lithium battery
- Controller: Intelligent R&D of CSS
- Work Temp: -20°C~+60°C

Features

- All in one intelligent design
- Long lighting time up to 36-48 hours
- Energy Saving LED garden/street lights
- Pole optional, easy to install

Solar Energy LED Seven-color yard lamp



Item	SF-SG-12W
Total height	3 meter
Solar panel total power	45W
Control method	Full-automaticity open and colse way, Light control and fixed time
Maintenance-free Lead Acid Batteries Capacity	40AH/12V one
LED light source	High-light seven-color LED lamp, total power 4W+8W
Light time	Light for 6hours. Continuous 5-7 cloudy and rainy day can light These data are for reference only

Solar Energy LED Seven-color yard lamp



Item	SF-SG-8W
Total height	3 meter
Solar panel total power	30W
Control method	Full-automaticity open and colse way, Light control and fixed time
Maintenance-free Lead Acid Batteries Capacity	24AH/12V one
LED light source	High-light seven-color LED lamp, total power 8W
Light time	Light for 6hours. Continuous 5-7 cloudy and rainy day can light These data are for reference only

Solar Pest Killing Lamp



Item	SF-ZB-3W
Total height	2 meter
Solar panel total power	20W
Intelligence Solar Controller	10A/12V
Maintenance-free Lead Acid Batteries Capacity	26AH/12V
LED lights 365um	3W (UV light source)
Controlling area	8-10acres/lamp

Technical Details

Product Name	Solar Wind Hybrid Street Light
Item	SF-VSL-90W
Wind Turbine Power	300W
Solar Panel Power	200W or 2PCS 100W
Maintenance-free Lead Acid Batteries Capacity	12V/200AH*2PCS
Intelligence Hybrid Controller	24V/450W (light control and time control)
LED Light Source	90W (OSRAM OR BRIDGELUX)
Lamp Pole	Height 10m
Applicable temperature	-40°C~50°C
Wind-proof capacity	>150FM/H

Technical Details

Product Name	Solar Street Light
Item	SF-VSL-50W
Solar Panel Power	200W or 2PCS 100W
Maintenance-free Lead Acid Batteries Capacity	12V/100AH*2PCS
Intelligence Hybrid Controller	24V/10A (light control and time control)
LED Light Source	50W (OSRAM OR BRIDGELUX)
Lamp Pole	Height 6-8m
Applicable temperature	-40°C~50°C
Wind-proof capacity	≥150FM/H

WIND&SOLAR HYBIRD STREET LIGHT

SOLAR STREET LIGHT



Location: Hebei, China
Module Type: SF-MSL-90W



Location: Queen Hospital, USA
Module Type: SF-SL-40W



Location: Luanda
Module Type: SF-SL-40W



Location: Thailand
Module: SF-SL-20W

OFF GRID SOLAR SYSTEM

Why off-grid?

- Reliability: highly quality components; dependable grid quality power, day & night
- Simple Operation: user friendly, automated set & forget operation
- Low Maintenance: sealed gel, maintenance free batteries
- Efficient: highly efficient ac-coupled system configuration
- Safe: exceeds applicable safety standards; concealed wiring; sealed batteries
- Monitoring: options to monitor your home & your system locally or remotely

3KW off-grid solar system				
NO.	Item	Type	Quantity	Unit
1	Solar modules	300	8	pcs
2	Solar mounting system	pitched roof	1	set
3	Controller and Inverter with battery cabinet	3kw (96V)	1	pcs
4	Battery	150AH/12V*8	8	pcs
5	Cables	4mm2 cable	1	set
Loading consumption	2 sets of 45w desk fans: working hours 5 hours--consumption electricity power 450wh:			
	2pcs of 2w/3w/5w/7w LED lamps: working hours 6 hours--consumption electricity power 204wh:			
	40 inch color TV: working hours 6 hours			
	Microwave oven: working hours 30 minutes			
	DVD/VCR player: working hours 3 hours			
	Mixer/grinder: working hours 40 minutes			
	1 set of small refrigerator 100w: operating 24 hours.			
	Water pump 120w			
Daily producing electricity power	Everyday 6 hours (peak power) sunshine system about can produce electricity capacity 12.25KWH (stored energy: 14.4KWH)			



ON GRID SOLAR SYSTEM

Why on-grid?

- Convert sunshine into electricity and feeds power into national grid via grid connected inverter
- No need for storage batteries
- The most attractive energy utilization technology of the 21st century
- Saves the system investment and reduces maintenance cost, with vast application potential

500KW On-grid Solar System				
Solar panel	250W	250 poly-crystalline Solar Panel	2,000	pcs
Inverter	500K on grid inverter with transformer	Input: 450VDC?00vdc Output: 380VAC,50HZ	1	Set
Mounting system	Ground Type	Aluminum rail	2,000	Set
Cable lines, bayonet	Solar Special	4mm ²	50000	Meter
Cable lines, bayonet	Solar Special	16 mm ²	4000	Meter
Cable lines, bayonet	Solar Special	50 mm ²	1200	Meter
Combiner box	lightening protection	Input: 16 Output: 1	6	Set
DC Distributor Cabinet	Distributor Cabinet	DC	1	Set
AC Distributor Cabinet	Distributor Cabinet	AC	1	Set
Accessories	Solar Special		1	Set

