

SUNGREAT ENERGY

GLOBAL SOLAR ENERGY
SOLUTIONS

SOLAR LIGHTS & LED LIGHTS
SOLAR APPLIANCES
SOLAR POWER SYSTEMS
LITHIUM BATTERY STORAGES
SOLAR PV PANELS

ABOUT US

COMPANY OVERVIEW

Founded in 2015, Sungreat Energy is a leading global provider of integrated solar lighting and renewable energy infrastructure. With over a decade of technical expertise and an annual strategic turnover exceeding USD 10 million, we operate advanced production bases in Dongguan and Jiangmen, supported by an international service hub in Shenzhen. Our mission-critical solutions are deployed in over 60 countries across Africa, the Middle East, Southeast Asia, and Latin America.

INNOVATION & PRODUCT RANGE

Sungreat Energy specializes in the R&D and precision manufacturing of high-efficiency solar infrastructure. Our portfolio features intelligent solar street lights (5W–400W), hybrid energy systems, and high-performance solar PV modules integrated with Grade-A LiFePO₄ storage technology. In 2025, we further expanded our ecosystem to include industrial-grade solar climate control systems and cooling solutions tailored for large-scale commercial applications.

GLOBAL CAPACITY & TRUSTED PROJECTS

With a monthly production capacity of 100,000 units, we are the premier choice for strategic OEM, ODM, and customized solar manufacturing. Our facilities maintain rigorous international compliance, including ISO9001, ISO14001, CE, RoHS, CB, and SONCAP certifications, ensuring seamless integration into global municipal and industrial tenders.

STRATEGIC PROJECTS & PARTNERSHIPS

We excel in large-scale international infrastructure, with a proven track record in Saudi Aramco projects and public works for the Philippines DPWH. As a strategic partner for government agencies and EPC contractors, Sungreat Energy is dedicated to engineering resilient, cost-effective energy systems that empower sustainable growth for our partners worldwide.



BUSINESS OVERVIEW

A strategic global provider of integrated solar energy infrastructure, covering PV panels, energy storage, solar & LED lighting, and solar appliances.

1 SOLAR LIGHTING SOLUTIONS

ENERGY-SAVING SOLAR & LED LIGHTING SOLUTIONS FOR URBAN, RURAL, AND COMMERCIAL PROJECTS, DURABLE AND LOW-MAINTENANCE.

- SOLAR STREET & GARDEN LIGHTS
- LED COMMERCIAL LIGHTING
- SMART LIGHTING CONTROL SYSTEMS

2 SOLAR APPLIANCES

FULL RANGE OF SOLAR HOME APPLIANCES, SUPPORTED BY GLOBAL LIFECYCLE MANAGEMENT AND TECHNICAL EXPERTISE.

- SOLAR HOME APPLIANCES SUPPLY
- GLOBAL AFTER-SALES SUPPORT
- TECHNICAL TRAINING & MAINTENANCE

3 SOLAR PV SOLUTIONS

ONE-STOP SOLAR PV SOLUTIONS FOR RESIDENTIAL, COMMERCIAL, AND UTILITY-SCALE PROJECTS, DELIVERING HIGH-PERFORMANCE MODULES AND TURNKEY PROJECT DEPLOYMENT.

- HIGH-EFFICIENCY PV PANEL SUPPLY
- CUSTOMIZED SYSTEM DESIGN
- PROFESSIONAL INSTALLATION & COMMISSIONING

4 ENERGY STORAGE SOLUTIONS

RELIABLE LITHIUM BATTERY STORAGE AND HYBRID POWER SYSTEMS, ENSURING STABLE BACKUP POWER AND ENERGY COST SAVINGS.

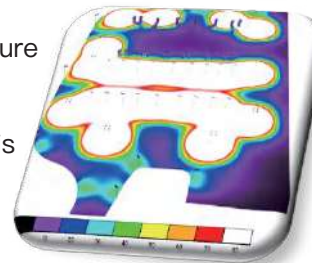
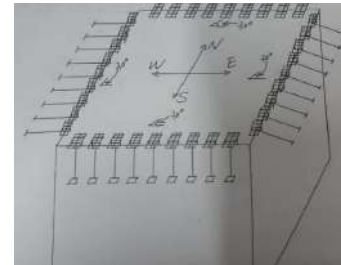
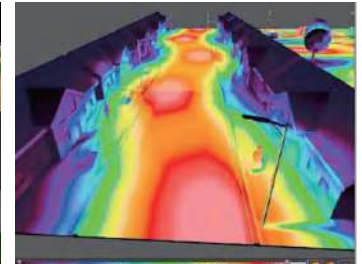
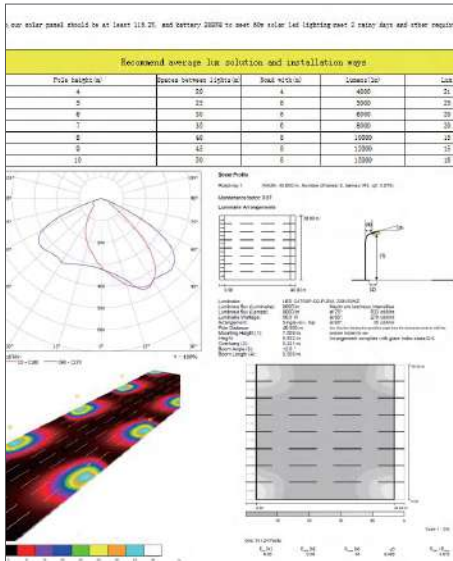
- LITHIUM BATTERY STORAGE SYSTEMS
- OFF-GRID & HYBRID POWER SYSTEMS
- SMART ENERGY MANAGEMENT



FULL COMPLIANCE WITH INTERNATIONAL STANDARDS: ISO, CE, ROHS, AND IP66.

STOP GUESSING, START SIMULATING — PROFESSIONAL SOLAR SOLUTIONS

Our engineering team tailors systematic solar power plans specifically to your site conditions, eliminating installation risks through precision technical design.



- Professional scenario simulations customized for client sites to ensure technical compliance.
- Exclusive pre-design solutions based on actual environment analysis to mitigate installation risks.
- Expert-level customization providing reliable and efficient system performance for global infrastructure.

WHY CHOOSE US

Verified 0.2%—0.25% Defect Rate ensuring superior product reliability and rigorous quality control for large-scale infrastructure projects

Proactive Spare Parts Support providing free replacement components for orders over 100 units to ensure zero project downtime

Full Lifecycle Warranty Coverage including free parts and international shipping with expert technical solutions for the life of your system

Phenomenon	Cause	Inspection methods	Solution
Lights do not work.	Switch turn off	Check whether the switch turns on.	Turn on the switch.
	Switch failure	Short-circuit the switch and if it is still lighting up, the switch is a failure.	Replace the Switch.
	Battery runs out	Long rainy days or wrong installation site could not charge enough power. Open the system, disconnect the battery and use a multimeter to check the voltage of the battery, if the voltage is less than 11V, means the battery runs out or is in low power cause the system could not work.	Charge battery by solar panel in the daytime, and turn off the switch at night to stop the discharge , like this, 2 days could fully charge the battery.
	LED Failure	Firstly, adjust the DC power supply to voltage 9V and currently less than 1A , then connect the positive and negative electrode of the DC power supply to an LED, if LED could not light, then the LED is a failure.	If confirming LED failure, please contact us to return and replace.
Short lighting time	Low battery	Wrong installation of dust and leaves covering on solar panel cause, not enough solar power to the battery. 1. Check whether there is dust or leaves covering the solar panel. 2. Open the system, disconnect the battery and use a multimeter to check the voltage of the battery, if the voltage is less than 11V, then the battery runs out or has low power cause the system could not work.	1. Charge battery by solar panel in the daytime, and turn off the switch at night to stop the discharge , like this, 2 days could fully charge the battery. 2. Clean the solar panel.
	Battery Failure	1.Open the light and check if the battery is displaced or the outer has been damaged. 2. Battery maturing, lights used more than 2 years.	1. If the damage is caused by transportation, please return to our factory for repairing or replacement. 2. Contact us to buy the same type of battery if the battery matures.
No induct	Sensor Failure	Move in the range of detection under the half-power lighting condition, if the light does not turn to full power, then the sensor is a failure.	If confirming failure caused by controller or sensor, please return to our factory for repairing or replacement.
Flashing light	Controller setting wrong	Intelligent mode opens due to an exceeding output power of the controller and light flashing.	Return to our factory to reset or replace the products.

ENGINEERING EXCELLENCE FOR GLOBAL INFRASTRUCTURE

FOCUSED ON CREATING LASTING VALUE, WE CULTIVATING LONG-TERM STRATEGIC PARTNERSHIPS WITH GLOBAL EPC CONTRACTORS AND MUNICIPAL AUTHORITIES AND SECURE SUSTAINABLE COMPETITIVE EDGES IN GLOBAL MARKETS THROUGH CONSISTENT QUALITY, RELIABLE SOLUTIONS, PROFESSIONAL SUPPORT, AND CUSTOMER-CENTERED INNOVATION.

CORE TECHNICAL STRENGTHS

733+

GLOBAL INSTALLED PV PROJECTS

10%

HIGHER CONVERSION EFFICIENCY

28%

LOWER LCOE (LEVELIZED COST OF ENERGY)

143+

GLOBAL COOPERATIVE PARTNERS

64%

CARBON EMISSION REDUCTION

47%

REDUCED O&M COSTS

GLOBAL MARKET LEADERSHIP

512+

STRATEGIC GLOBAL
PARTNERSHIPS

5178+

GLOBAL PROJECT LOCATIONS

LEVERAGING HIGH-EFFICIENCY PV MODULES AND INTELLIGENT ENERGY STORAGE, SUNGREAT ENERGY DELIVERS INTEGRATED EPC SOLUTIONS THAT ACHIEVE CARBON NEUTRALITY AND SUSTAINABLE ENERGY SECURITY. THROUGH RIGOROUS QUALITY CONTROL AND LOCALIZED TECHNICAL SUPPORT, WE HAVE SECURED A LEADING POSITION IN GLOBAL INFRASTRUCTURE TENDERS, EARNING THE LONG-TERM TRUST OF GOVERNMENT AGENCIES AND PROFESSIONAL CONTRACTORS.

CORPORATE COMPETITIVENESS

Empowering global infrastructure with certified quality, supply chain excellence, and localized technical support.



IES & Photometric Testing Lab



Battery Aging Test



Driver & Component Inspection



Dust-Free SMT & Semi-Automated Assembly Line



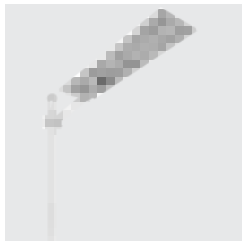
IP66/IP67 Waterproof



FX



BK



FN



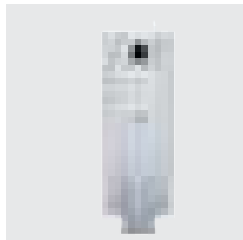
QM



DM



FXC



BKC



FNC



QH



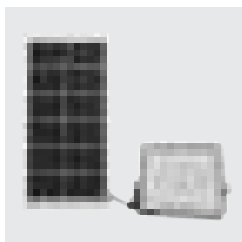
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ZC



FT



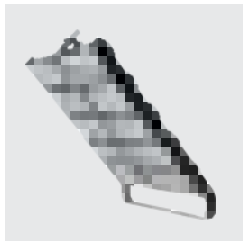
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HY



NM



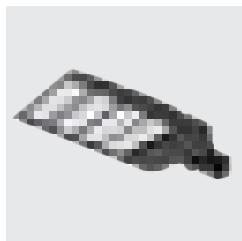
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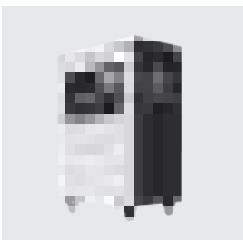
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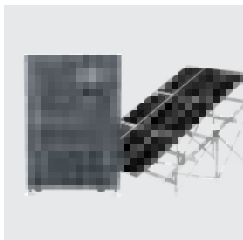
LE



QC



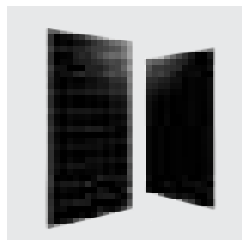
SIB



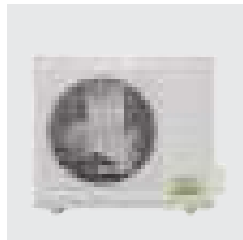
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DL



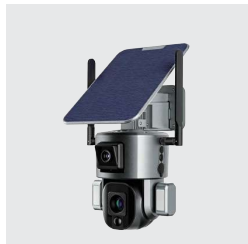
PV PANEL



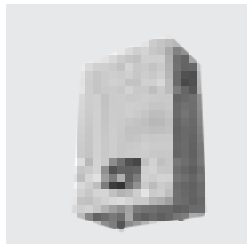
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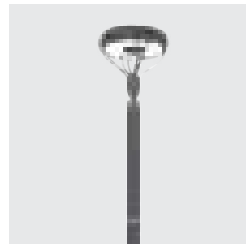
SDR



Y5



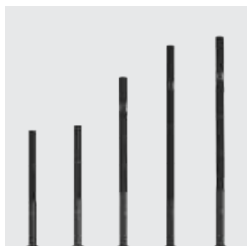
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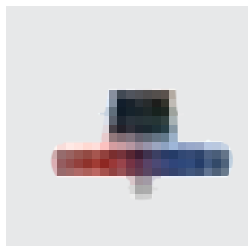
VS



SF



POLE



TL



ALL IN ONE SOLAR STREET LIGHT FX



DATA SHEET

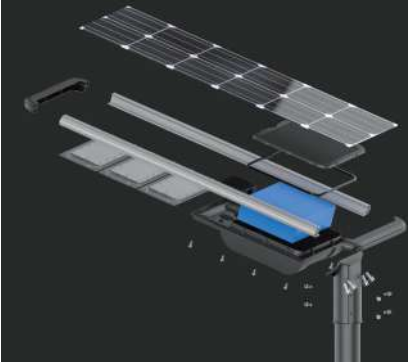
Model	FX					
Watts(w)	40W	60W	80W	100W	120W	150W
Lumens(Lumens)	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	12.8V 15AH	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH	12.8V 75AH
Solar Panel	18V 60W	18V 80W	18V100W	18V 130W	18V 140WV	18V 170WV
LED Chip	Philips/Osram/USA Bridgelux					
CCT(K)	2700-6500K(customized)					
CRI	>70					
Lighting Efficiency	180-220lm/w					
Rainy Days	5-7 cloudy/ rainy days					
Work Temperature	-25℃-+65℃					
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor					
Material	Aluminium alloy					
Pole Upper Diamter	Ø70-Ø76mm					
Controller	MPPT					
IP Rating/IK Class	IP66/IK09					
Mounting Height	6-7m	6-8m	8-9m	9-11m	10-12m	10-12m
Space between poles	15-20m	20-25m	25-30m	30-35m	35-40m	35-40m
Warranty	5 Years					

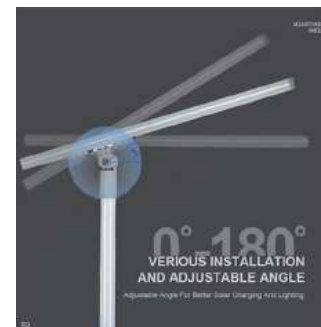
Product Details



Replaceable Battery & LED Module

Easy to replace the battery and led module, no need to open the whole lamp when doing maintenance





Model	BK								
Watts(w)	20W	30W	40W	60W	80W	100W	120W	150W	150W
Lumens(Lumens)	3600-4400LM	5400-6600LM	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM	27000-33000LM
Battery(AH)	3.2V 75AH	3.2V 112AH	3.2V 150AH	12.8V 54AH	12.8V 72AH	25.6V 48AH	25.6V 54AH	25.6V 72AH	25.6V 84AH
Solar Panel	6V 50W	6V 70W	6V 100W	18V 150W	18V 200W	36V 240W	36V 300W	36V 360W	36V 400W
LED Chip	Philips/Osram/USA Bridgelux								
CCT(K)	2700-6500K(customized)								
CRI	>70								
Lighting Efficiency	180-220lm/w								
Rainy Days	5-7 cloudy/ rainy days								
Work Temperature	-25℃-+65℃								
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor								
Material	Aluminium alloy								
Pole Upper Diamter	Ø70-Ø76mm								
Controller	MPPT								
IP Rating/IK Class	IP66/IK09								
Mounting Height	4-6m	4-6m	5-7m	5-7m	5-7m	8-10m	8-10m	11-13m	11-13m
Space between poles	15-25m	15-25m	20-30m	20-30m	20-30m	30-45m	30-45m	40-50m	40-50m
Warranty	5 Years								

Model	BK								
Watts(w)	20W	30W	40W	60W	80W	100W	120W	150W	150W
Lumens(Lumens)	3600-4400LM	5400-6600LM	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM	27000-33000LM
Battery(AH)	3.2V 75AH	3.2V 112AH	3.2V 150AH	12.8V 54AH	12.8V 72AH	25.6V 48AH	25.6V 54AH	25.6V 72AH	25.6V 84AH
Solar Panel	6V 50W	6V 70W	6V 100W	18V 150W	18V 200W	36V 240W	36V 300W	36V 360W	36V 400W
LED Chip	Philips/Osram/USA Bridgelux								
CCT(K)	2700-6500K(customized)								
CRI	>70								
Lighting Efficiency	180-220lm/w								
Rainy Days	5-7 cloudy/ rainy days								
Work Temperature	-25℃-+65℃								
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor								
Material	Aluminium alloy								
Pole Upper Diamter	Ø70-Ø76mm								
Controller	MPPT								
IP Rating/IK Class	IP66/IK09								
Mounting Height	4-6m	4-6m	5-7m	5-7m	5-7m	8-10m	8-10m	11-13m	11-13m
Space between poles	15-25m	15-25m	20-30m	20-30m	20-30m	30-45m	30-45m	40-50m	40-50m
Warranty	5 Years								

ALL IN ONE SOLAR STREET LIGHT FN



DATA SHEET

Model	FN				
Watts(w)	50W	100W	150W	200W	250W
Lumens(Lumens)	9000-11000LM	18000-22000LM	27000-33000LM	36000-44000LM	45000-55000LM
Battery(AH)	3.2V 11.25AH	3.2V 18AH	3.2V 25AH	3.2V 30AH	3.2V 35AH
Solar Panel	6V 16W	6V 22W	6V 32W	6V 36W	6V 42W
LED Chip	Philips/Osram/USA Bridgelux				
CCT(K)	2700-6500K(customized)				
CRI	>70				
Lighting Efficiency	180-220lm/w				
Rainy Days	5-7 cloudy/ rainy days				
Work Temperature	-25°C-+65°C				
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor				
Material	Aluminium alloy				
Pole Upper Diamter	Ø70-Ø76mm				
Controller	MPPT				
IP Rating/IK Class	IP66/IK09				
Mounting Height	3-4m	3-4m	4-6m	4-6m	4-6m
Space between poles	10-15m	10-15m	15-25m	15-25m	15-25m
Warranty	5 Years				

Product Details



QML ALL IN ONE SOLAR STREET LIGHT

DATA SHEET

Model	QML					
Watts(w)	40W	60W	80W	100W	120W	150W
Lumens(Lumens)	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	12.8V 30AH	12.8V 36AH	12.8V 48AH	12.8V 60AH	12.8V 72AH	12.8V 96AH
Solar Panel	18V 80W	18V 100W	18V 120W	18V 150W	18V 180W	18V 210W
LED Chip	Philips/Osram/USA Bridgelux					
CCT(K)	2700-6500K(customized)					
CRI	>70					
Lighting Efficiency	180-220lm/w					
Rainy Days	5-7 cloudy/ rainy days					
Work Temperature	-25°C-+65°C					
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor					
Material	Aluminium alloy					
Pole Upper Diamter	Ø70-Ø76mm					
Controller	MPPT					
IP Rating/IK Class	IP66/IK09					
Mounting Height	6-8m	6-8m	8-12m	10-12m	10-15m	10-15m
Space between poles	25-35m	25-35m	25-40m	30-40m	30-40m	30-50m
Warranty	5 Years					

Product Details

Bend display



Under the night lights



Daylight



ALL IN ONE SOLAR STREET LIGHT DM



DATA SHEET

Model	DM				
Watts(w)	60W	80W	100W	120W	150W
Lumens(Lumens)	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	3.2V 100AH	3.2V 120AH	12.8V 36AH	12.8V 42AH	12.8V 54AH
Solar Panel	6V 70W	6V 80W	18V 90W	18V 100W	18V 120W
LED Chip	Philips/Osram/USA Bridgelux				
CCT(K)	2700-6500K(customized)				
CRI	>70				
Lighting Efficiency	180-220lm/w				
Rainy Days	5-7 cloudy/ rainy days				
Work Temperature	-25°C~+65°C				
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor				
Material	Aluminium alloy				
Pole Upper Diamter	Ø70-Ø76mm				
Controller	MPPT				
IP Rating/IK Class	IP66/IK09				
Mounting Height	4-6m	5-7m	6-10m	8-12m	8-12m
Space between poles	15-25m	20-25m	20-30m	25-35m	25-35m
Warranty	5 Years				

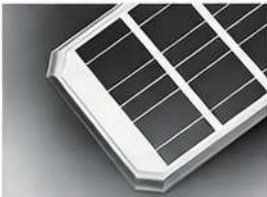
Product Details



High Lumen LEDs
150lm/W



Battery Pack
Easy to Maintain



Monocrystalline
Solar Charging Efficiency:>21%



High Lumen LEDs
150lm/W



Bracket
Double Protection for Rust-Proof



High Sensitivity PIR Sensor

Wind & Solar Hybrid System Street Light

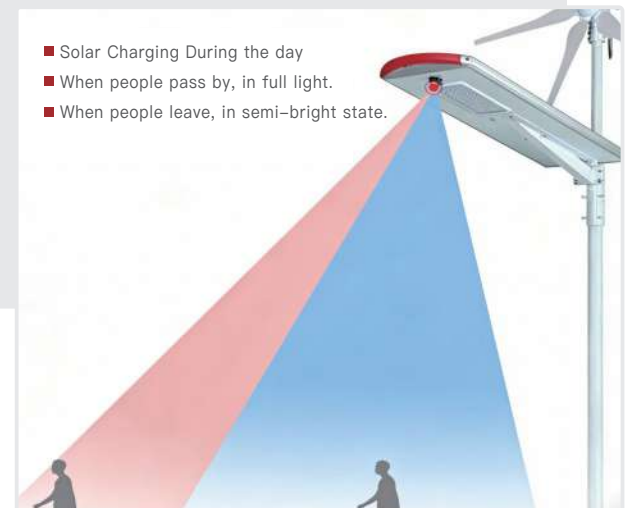
80W



DATA SHEET

Model	HY			
Watts(w)	80W	100W	120W	150W
Lumens(Lumens)	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	12.8V 24AH	12.8V 36AH	12.8V 42AH	12.8V 60AH
Solar Panel	18V 40W	18V 60W	18V 80W	18V 100W
LED Chip	Philips/Osram/USA Bridgelux			
CCT(K)	6000-6500K(customized)			
CRI	>70			
Lighting Efficiency	180-220lm/w			
Rainy Days	5-7 cloudy/ rainy days			
Work Temperature	-25℃—+65℃			
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor			
Material	Aluminium alloy			
Pole Upper Diameter	Ø70-Ø76mm			
Controller	MPPT or PWM (Chosen by client)			
IP Rating/IK Class	IP65/IK09			
Mounting Height	4-6m	5-7m	6-8m	6-8m
Space between poles	15-25m	15-25m	20-35m	35-40m
Warranty	5 Years			

The person is fully lit in the sensing range and the light is half bright after leaving.



- Solar Charging During the day
- When people pass by, in full light.
- When people leave, in semi-bright state.

ALL IN ONE SOLAR STREET LIGHT

FXC



DATA SHEET

Model	FXC					
Watts(w)	40W	60W	80W	100W	120W	150W
Lumens(Lumens)	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	12.8V 15AH	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH	12.8V 75AH
Solar Panel	18V 60W	18V 80W	18V 100VW	18V 130W	18V 140VW	18V 170VW
LED Chip	Philips/Osram/USA Bridgelux					
CCT(K)	2700-6500K(customized)					
CRI	>70					
Lighting Efficiency	180-220lm/w					
Rainy Days	5-7 cloudy/ rainy days					
Work Temperature	-25°C--+65°C					
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor					
Material	Aluminium alloy					
Pole Upper Diamter	Ø70-Ø 76mm					
Controller	MPPT					
IP Rating/IK Class	IP66/IK09					
Camera Information	Wifi/4G, 24hour working, night vision, 64G memory card, 2M pixel					
Mounting Height	6-7m	6-8m	8-9m	9-11m	10-12m	10-12m
Space between poles	15-20m	20-25m	25-30m	30-35m	35-40m	35-40m
Warranty	5 Years					

Product Details

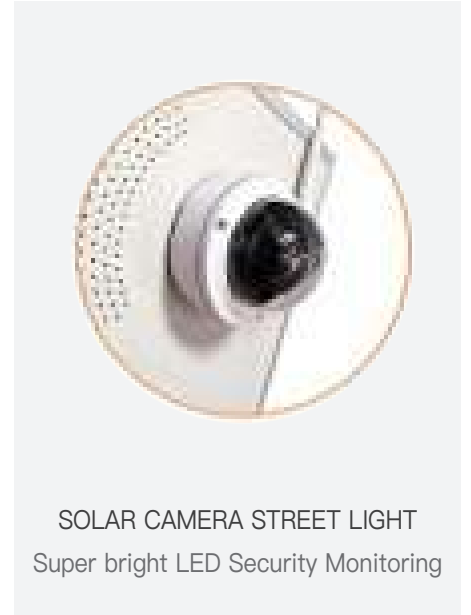


ALL IN ONE
SOLAR STREET LIGH

- Free wiring, easy to install
- Long work time



ALL IN ONE SOLAR STREET LIGHT



DATA SHEET

Model	BKC								
Watts(w)	20W	30W	40W	60W	80W	100W	120W	150W	150W
Lumens(Lumens)	3600-4400LM	5400-6600LM	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM	27000-33000LM
Battery(AH)	3.2V 75AH	3.2V 112AH	3.2V 150AH	12.8V 54AH	12.8V 72AH	25.6V 48AH	25.6V 54AH	25.6V 72AH	25.6V 84AH
Solar Panel	6V 50W	6V 70W	6V 100W	18V 150W	18V 200W	36V 240W	36V 300W	36V 360W	36V 400W
LED Chip	Philips/Osram/USA Bridgelux								
CCT(K)	2700-6500K(customized)								
CRI	>70								
Lighting Efficiency	180-220lm/w								
Rainy Days	5-7 cloudy/ rainy days								
Work Temperature	-25℃- +65℃								
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor								
Material	Aluminium alloy								
Pole Upper Diamter	Ø70-Ø 76mm								
Controller	MPPT								
IP Rating/IK Class	IP66/IK09								
Camera Information	Wifi/4G, 24hour working, night vision, 64G memory card, 2M pixel								
Mounting Height	4-6m	4-6m	5-7m	5-7m	5-7m	8-10m	8-10m	11-13m	11-13m
Space between poles	15-25m	15-25m	20-30m	20-30m	20-30m	30-45m	30-45m	40-50m	40-50m
Warranty	5 Years								

ALL IN ONE SOLAR STREET LIGHT FNC

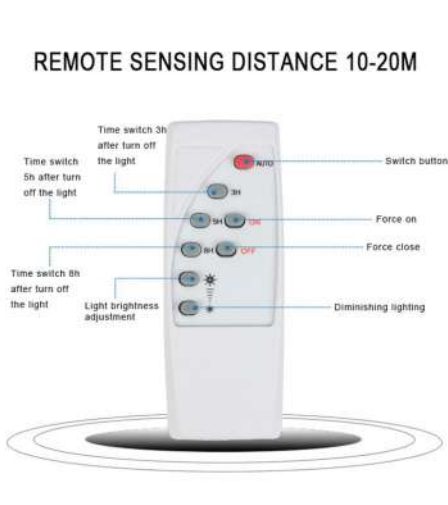
DATA SHEET

Model	FNC				
Watts(w)	50W	100W	150W	200W	250W
Lumens(Lumens)	9000-11000LM	18000-22000LM	27000-33000	36000-44000LM	45000-55000LM
Battery(AH)	3.2V 11.25AH	3.2V 18AH	3.2V 25AH	3.2V 30AH	3.2V 35AH
Solar Panel	6V 16W	6V 22W	6V 32W	6V 36W	6V 42W
LED Chip	Philips/Bridgelux/Osram				
CCT(K)	2700-6500K(customized)				
CRI	>70				
Lighting Efficiency	180-220lm/w				
Rainy Days	5-7 cloudy/ rainy days				
Work Temperature	-25℃+65℃				
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor				
Material	Aluminium alloy				
Pole Upper Diamter	Ø70-Ø 76mm				
Controller	MPPT				
IP Rating/IK Class	IP66/IK09				
Camera Information	Wifi/4G, 24hour working, night vision, 64G memory card, 2M pixel				
Mounting Height	3-4m	3-4m	4-6m	4-6m	4-6m
Space between poles	10-15m	10-15m	15-25m	15-25m	15-25m
Warranty	5 Years				

Network Header Details

ALUMINUM LAMP HOUSING

Product Details



DATA SHEET

Model	QH						
Watts(w)	60W	80W	100W	120W	150W	200W	250W
Lumens(Lumens)	10800-13200LM	10800-13200LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM	27000-33000LM
Battery(AH)	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH	12.8V 75AH	25.6V 45AH	25.6V 60AH
Solar Panel	18V 60W	18V 100W	18V 130W	18V 140W	18V 150W	36V 200W	36V 250W
LED Chip	Philips/Osram/USA Bridgelux						
CCT(K)	2700-6500K(customized)						
CRI	>70						
Lighting Efficiency	180-220lm/w						
Rainy Days	5-7 cloudy/ rainy days						
Work Temperature	-25℃-+65℃						
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor						
Material	Aluminium alloy						
Pole Upper Diameter	Ø70-Ø76mm						
Controller	MPPT						
IP Rating/IK Class	IP66/IK09						
Mounting Height	6-8m	8-9m	9-10m	9-11m	10-11m	10-12m	10-12m
Space between poles	20-25m	25-30m	30-35m	30-35m	35-40m	35-40m	35-40m
Warranty	5 Years						



Product Details



ALL IN ONE SOLAR STREET LIGHT QS



DATA SHEET

Model	QS				
Watts(w)	40W	60W	80W	100W	120W
Lumens(Lumens)	7200-8800LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM
Battery(AH)	12.8V 18AH	12.8V 24AH	12.8V 30AH	12.8V 36AH	12.8V 48AH
Solar Panel	18V 50W	18V 60W	18V 80W	18V 100W	18V 120W
LED Chip	Philips/Osram/USA Bridgelux				
CCT(K)	6000-6500K(customized)				
CRI	>70				
Lighting Efficiency	180-220lm/w				
Rainy Days	5-7 cloudy/ rainy days				
Work Temperature	-25℃-+65℃				
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor				
Material	Aluminium alloy				
Pole Upper Diamter	Ø70-Ø76mm				
Controller	MPPT				
IP Rating/IK Class	IP65/IK09				
Mounting Height	4-5m	5-7m	6-8m	7-9m	8-11m
Space between poles	15-20m	15-25m	20-25m	20-30m	20-35m
Warranty	5 Years				

Product Details

Dust cannot be cleaned



Other solar street lights

Easy disassembly



Roller broom brush

Automatic cleaning panel



Auto clean series



Model	NM									
Watts(w)	40W	60W	80W	100W	120W	150W	200W	250W	300W	400W
Lumens(Lumens)	7200–8800LM	10800–13200LM	14400–17600LM	18000–22000LM	21600–26400LM	27000–33000LM	36000–44000LM	> 30000LM	> 30000LM	> 30000LM
Battery(AH)	12.8V 15AH	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH	12.8V 75AH	25.6V 45AH	25.6V 60AH	25.6V 75AH	25.6V 90AH
Solar Panel	18V 60W	18V 80W	18V 100W	18V 130W	18V 170W	18V 200W	36V 220W	36V 270W	36V 330W	36V 430W
LED Chip	Philips/Osram/USA Bridgelux									
CCT(K)	2700–6500K(customized)									
CRI	>70									
Lighting Efficiency	180–220lm/w									
Rainy Days	5–7 cloudy/ rainy days									
Work Temperature	–25℃–+65℃									
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor									
Material	Aluminium alloy									
Pole Upper Diamter	Ø70–Ø76mm									
Controller	MPPT									
IP Rating/IK Class	IP66/IK09									
Mounting Height	5–6m	6–7m	7–8m	8–9m	9–10m	10–12m	10–12m	10–12m	10–12m	10–12m
Space between poles	15–20m	20–25m	25–30m	25–30m	30–35m	35–40m	35–40m	35–40m	35–40m	35–40m
Warranty	5 Years									

ALL IN TWO SOLAR STREET LIGHT ZC



DATA SHEET

Model	ZC					
Watts(w)	40W	50W	60W	80W	100W	120W
Lumens(Lumens)	7200-8800LM	9000-11000LM	10800-13200LM	14400-17600LM	18000-22000LM	21600-26400LM
Battery(AH)	12.8V 15AH	12.8V 30AH	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH
Solar Panel	18V 60W	18V 60W	18V 60W	18V 60W	18V 130W	18V 170W
LED Chip	Philips/Osram/USA Bridgelux					
CCT(K)	2700-6500K(customized)					
CRI	>70					
Lighting Efficiency	180-220lm/w					
Rainy Days	5-7 cloudy/ rainy days					
Work Temperature	-25℃-+65℃					
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor					
Material	Aluminium alloy					
Pole Upper Diamter	Ø70-Ø76mm					
Controller	MPPT					
IP Rating/IK Class	IP66/IK09					
Mounting Height	5-7m	6-8m	7-9m	8-10m	9-12m	10-12m
Space between poles	15-25m	20-30m	20-30m	25-35m	30-40m	30-40m
Warranty	5 Years					

Product Details



FT ALL IN TWO SOLAR STREET LIGHT



DATA SHEET

Model	FT			
Watts(w)	30W	40W	60W	80W
Lumens(Lumens)	5400-6600LM	7200-8800LM	10800-13200LM	14400-17600LM
Battery(AH)	12.8V 24AH	12.8V 30AH	12.8V 36AH	12.8V 42AH
Solar Panel	18V 80W	18V 100W	18V 120W	18V 150W
LED Chip	Philips/Osram/USA Bridgelux			
CCT(K)	6000-6500K(customized)			
CRI	>70			
Lighting Efficiency	180-220lm/w			
Rainy Days	5-7 cloudy/ rainy days			
Work Temperature	-25°C-+65°C			
Work Mode	Auto ON/OFF, Time Dimming, Motion Sensor			
Material	Aluminium alloy			
Pole Upper Diameter	Ø70-Ø76mm			
Controller	MPPT or PWM (Chosen by client)			
IP Rating/IK Class	IP65/IK09			
Mounting Height	6-8m	9-10m	9-11m	10-12m
Space between poles	20-30m	35-40m	35-40m	40-50m
Warranty	5 Years			

Product Details



Monocrystalline

- >23% photoelectric conversion efficiency
- 20-25 years lifespan



High lumen led chip

- 3030 LED, Max 230LM/W
- >100000 hours lifespan
- Ra>= 70 CRI



LiFePO4 Battery

- Top brand and grade A battery cell
- 8-12 years lifespan design
- High and low temperature design



SOLAR FLOOD LIGHT FL

DATA SHEET



Model	FL		
Watts(w)	20W	30W	50W
Lumens(Lumens)	3600-4400LM	5400-6600LM	9000-11000LM
Battery(AH)	3.2V 60AH	3.2V 70AH	3.2V 90AH
Solar Panel	6V 60W	6V 70W	6V 90W
LED Chip	Philips/Osram/USA Bridgelux		
CCT(K)	2700-6500K		
CRI	>70Ra		
Lighting Efficiency	180-220lm/w		
Charging Time	6 hours		
Rainy Days	5-7 cloudy/ rainy days		
Work Temperature	-25℃- +65℃		
Remote Control	Auto ON/OFF, Time Dimming, Motion Sensor		
Material	Aluminium alloy		
Controller	MPPT		
IP Rating	IP66		
Mounting Height	4-6m		
Mounting Distance	15-25m		
Warranty	5 Years		

Product Details





DATA SHEET

Model	VS		
Watts(w)	20W	30W	40W
Lumens(Lumens)	3000LM	4500LM	6000LM
Battery(AH)	12V 25AH	6.4V 60AH	12V 36AH
Solar Panel	18V 144W	18V 160W	18V 240W
Beam angle	110° x 70°		
CCT(K)	2700-6500K(customized)		
CRI	>70		
Lighting Efficiency	150lm/w		
Rainy Days	5-7 cloudy/ rainy days		
Work Temperature	-25℃- +65℃		
Work Mode	Optical control + intelligent charge discharge management system		
Control mode	100% 0.5h + 80% 2.5h + 50% 2h + 20% 7h		
Controller	MPPT		
IP Rating	IP65		
Pole shape	circular	rectangle	rectangle
Light body color	Grind arenaceous silver	Industrial ash	Industrial ash
Mounting Height	3.5m	4m	6m
Space between poles	10-15m	15-20m	20-25m
Warranty	5 Years		



SOLAR TRAFFIC LIGHT TL



DATA SHEET

Model	TL
Watts(w)	12W
Battery(AH)	6.4V 24Ah LiFePO4
Solar Panel	9V 7.6W
CCT(K)	2700-6500K(customized)
Charging Time	6-8 Hours
Rainy Days	5-7 cloudy/ rainy days
Work Temperature	-20℃ - +80℃
Frequency	150-250 Time Change
Material	Iron+Aluminum+PC+ABS
Warranty	3 Years

Product Details



LED SPORTS&STADIUM LIGHT TX



DATA SHEET



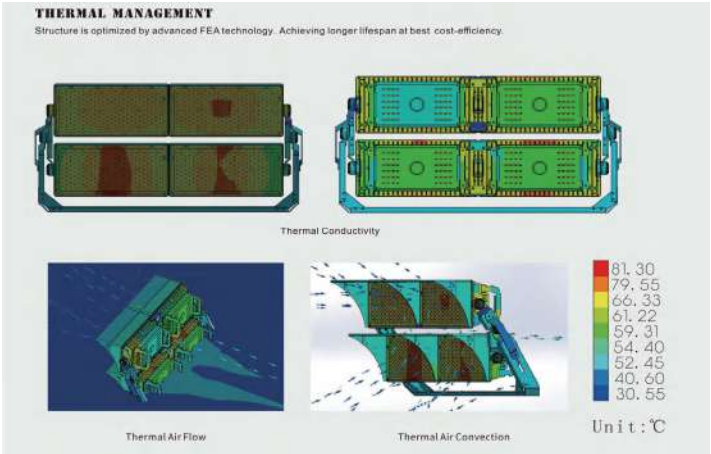
Model	TX					
Watts(w)	200W	400W	600W	800W	1000W	1200W
Lumens(Lumens)	36000-44000LM	72000-88000LM	108000-132000LM	144000-176000LM	180000-220000LM	216000-264000LM
Voltage(V)	AC 90-270V	AC 90-270V	AC 90-270V	AC 90-270V	AC 90-270V	AC 90-270V
Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
LED Chip	Philips/Osram/USA Bridgelux					
Beam Angle	15/30/45/60/90/120					
Power factor	> 0.95					
CCT(K)	2700-6500K(customized)					
CRI	≥80					
Driver	Meanwell/Inventronics					
Lighting Efficiency	180-220lm/w					
Work Temperature	-40℃- +65℃					
Photocell	Optional photocell allows for security and energy saving					
Motion Sensor	PIR Sensor and plug in and play Microwave Sensor optional.					
Power and CCT controller	The wattage and CCT can be changed by switch selection on the controller					
Material	Aluminum+PC					
IP Rating	IP66					
Mounting Height	6-8m	6-8m	8-12m	10-12m	10-15m	10-15m
Space between poles	25-35m	25-35m	25-40m	30-40m	30-40m	30-50m
Warranty	5 Years					



DATA SHEET

Model	SQ			
Watts(w)	500W	1000W	1500W	2000W
Lumens(Lumens)	90000-110000LM	180000-220000LM	270000-330000LM	360000-440000LM
Voltage(V)	AC 90-270V	AC 90-270V	AC 90-270V	AC 90-270V
Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ
LED Chip	Philips/Osram/USA Bridgelux			
Beam Angle	15/30/45/60			
Power factor	> 0.95			
CCT(K)	2700-6500K(customized)			
CRI	≥80			
Surge protection	4KV			
Driver	Meanwell/Inventronics			
Lighting Efficiency	180-220lm/w			
Work Temperature	-40℃- +65℃			
Photocell	Optional photocell allows for security and energy saving			
Motion Sensor	PIR Sensor and plug in and play Microwave Sensor optional.			
Power and CCT controller	The wattage and CCT can be changed by switch selection on the controller			
Material	Aluminum+PC			
IP Rating	IP66			
Mounting Height	4-10m	11-20m	11-20m	11-20m
Space between poles	15-30m	30-50m	30-50m	30-50m
Warranty	5 Years			

Product Details



AC STREET LIGHT LA



DATA SHEET

Model	LA					
Watts(w)	30W	50W	80W	100W	150W	200W
Lumens(Lumens)	5400~6600LM	9000~11000LM	14400~17600LM	18000~22000LM	27000~33000LM	36000~44000LM
Voltage(V)	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V
Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
LED Chip	Philips/Osram/USA Bridgelux					
Beam Angle	Type III					
Power factor	>0.95					
CCT(K)	2700~6500K(customized)					
CRI	>80					
Surge protection	10KV					
Lighting Efficiency	180~220lm/w					
Work Temperature	-40℃~+65℃					
Photocell	Optional photocell allows for security and energy saving					
Motion Sensor	PIR Sensor and plug in and play Microwave Sensor optional.					
Power and CCT controller	The wattage and CCT can be changed by switch selection on the controller					
Material	Aluminum+PC					
Install Pole Diameter	Ø70~Ø76mm					
IP Rating	IP66					
Mounting Height	4~6m	4~6m	4~6m	6~10m	8~15m	8~15m
Space between poles	15~25m	15~25m	15~25m	20~40m	30~50m	30~50m
Warranty	5 Years					



DATA SHEET

Model	LE							
Watts(w)	60W	80W	100W	120W	150W	200W	250W	300W
Lumens(Lumens)	10800~13200LM	14400~17600LM	18000~22000LM	21600~26400LM	27000~33000LM	36000~44000LM	45000~55000LM	54000~66000LM
Voltage(V)	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V	AC 100~277V
Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
LED Chip	Philips/Osram/USA Bridgelux							
Beam Angle	Type III							
Power factor	>0.95							
CCT(K)	2700~6500K(customized)							
CRI	>80							
Lighting Efficiency	180~220lm/w							
Work Temperature	-40°~ +65°C							
Photocell	Optional photocell allows for security and energy saving							
Motion Sensor	PIR Sensor and plug in and play Microwave Sensor optional.							
Power and CCT controller	The wattage and CCT can be changed by switch selection on the controller							
Material	Aluminum+PC							
Install Pole Diameter	□ 70~□ 76mm							
IP Rating	IP66							
Mounting Height	6~7m	7~8m	8~9m	9~10m	10~12m	10~12m	10~12m	10~12m
Space between poles	20~25m	25~30m	25~30m	30~35m	35~40m	35~40m	35~40m	35~40m
Warranty	5 Years							

POLE&POST FOR LIGHTING

POLE



DATA SHEET

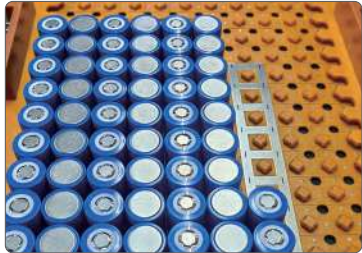
Model	POLE				
Pole height	Top diameter	Bottom diameter	Thickness	Flange	Anchor Bolt
4M	60mm	110mm	2mm	200*200*10mm	140*140*400mm—4*14mm
5M	60mm	130mm	2.3mm	240*240*10mm	180*180*500mm—4*14mm
6M	60mm	140mm	2.5mm	250*250*14mm	200*200*600mm—4*16mm
7M	60mm	148mm	2.75mm	260*260*14mm	200*200*600mm—4*16mm
8M	60mm	166mm	3mm	280*280*16mm	220*220*700mm—4*18mm
9M	76mm	186mm	3.25mm	300*300*16mm	240*240*700mm—4*18mm
10M	76mm	190mm	3.5mm	320*320*18mm	240*240*800mm—4*18mm
11M	76mm	200mm	4mm	340*340*18mm	260*260*900mm—4*20mm
12M	76mm	220mm	4mm	380*380*20mm	280*280*1000mm—4*20mm



DATA SHEET

Model	LB		
Battery Capacity (kWh)	5.12 kWh	10.24 kWh	15.36 kWh
Battery Type	LiFePO4	LiFePO4	LiFePO4
Rated Battery Voltage	51.2V	51.2V	51.2V
Battery Capacity (Ah)	100Ah	200Ah	300Ah
Constant Charging Current	100A(1C)	150A(0.75C)	150A(0.5C)
Constant Discharging Current	100A(1C)	150A(0.75C)	150A(0.5C)
Depth of Discharging	95%		
Max Parallel Quantity	32		
Life-Span (25°C)	>6000 cycles		
Operating Temperature	Charge: 0 ~ 60°C, Discharge: -15°C~65°C		
Storage Temperature	-20°C~40°C		
Case Material	Metal		
Installation Way	Rack-mounted/Floor Mounted		
Communication	RS485/CAN/ Customized		
Product Size	450*510*205mm	450*510*410mm	450*510*665mm
Packing Size	500*560*255mm	500*560*460mm	500*560*665mm
Production Weight	40.8KG	79.3KG	102KG
Package Weight	45.3KG	89.3KG	120KG

Product Details



ALL IN ONE SOLAR INVERTER AND BATTERY

SIB



DATA SHEET

Model	SIB				
Inverter Rated/Peak Power	1000W/2000W	3000W/6000W	5000W/10000W		
LiFePO ₄ Battery	25.6V 100AH(2.56KWH)	25.6V 200AH(5.12KWH)	51.2V 150AH(7.68KWH)	51.2V 200AH(10.24KWH)	51.2V 300AH(15.36KWH)
Battery Life time	8-10 Years(60000hours)				
Charge Time	6 Hours(Peak sunlight)				
Working Temperature	-25°C~+65°C				
Battery BMS	30A	50A	40A	50A	50A
Working Hours	10-12hours				
Cloudy/Rainy Days	3-5 rainy days				
Working Temperature	0-45°C(Charging); -20~-60°C(Discharging)				
Extendable Functions	Bluetooth, GPS, etc				
Inverter Input Voltage	AC220V (Informal)				
Inverter output Voltage	L/N/PE AC220Vx2,50/60Hz				
Protection Grade	IP20				
Humidity	5%-90%RH				
Communications Protocols	RS485 +RS232+CAN				
Solar Charging Controller	Built-in, Integrated on Inverter				
Type	MPPT				
PV Input Voltage Range	DC120-430V				
Warranty Period	5 years				

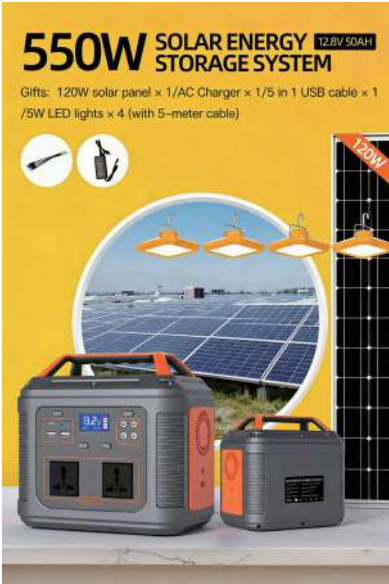


DATA SHEET

Model	SY									
Type	1kW	1.5kW	1.6kW	3kw	4.2kW	6.2kW	8.2kW	10.2kW	12.4kW	16.4kW
LiFePO4 Battery	12.8V/100Ah	25.6V/ 100Ah	12.8V/220Ah	25.6V/150Ah	25.6V/200Ah	51.2V/120Ah	51.2V/200Ah	51.2V/ 300Ah	51.2V/120Ahx2	51.2V/200Ahx2
Battery Capacity	1.280kWh	2.560kWh	2.816kWh	3.840kWh	5.120kWh	6.144kWh	10.240kWh	15.360kWh	12.288kWh	20.480kWh
Battery BMS	100A	100A	100A	100A	120A	150A	150A	150A	150A	150A
N–type PV Panel	1x550W	2x550W	2x550W	3x550W	3x550W	4x550W	5x550W	6x550W	8x550W	10x550W
PV Power	0.55kW	1.10kW	1.10kW	1.65kW	1.65kW	2.20kW	2.75kW	3.30kW	4.40kW	5.50kW
MPPT Inverter	12V/1.0kW/80A	24V/1.5kW/80A	12V/1.6kW/80A	24V/3.0kW/80A	24V/4.2kW/80A	48V/6.2kW/120A	48V/8.2kW/120A	48V/8.2kW/120A	48V/6.2kW/120Ax2	24V/8.2kW/120Ax2
Inverter Output	230V R/T									
2 roll 4mm red and black cable with MC4 Connector	Total 20 meters or customized	Total 20 meters or customized	Total 20 meters or customized	Total 30 meters or customized	Total 30 meters or customized	Total 30 meters or customized	Total 40 meters or customized	Total 50 meters or customized	Total 60 meters or customized	Total 100 meters or customized
Package	Standard packing or OEM									
Warranty	3 years									

SOLAR PORTABLE POWER STATION

DL



DATA SHEET

Model	DL			
Type	G500	G1200	G1500	G2000
Material	Fireproof PC/Vo	Fireproof PC/Vo	Stell	Stell
Dimensions(LxWxH)	230*160*180mm	290*200*230mm	375*250*284 mm	420*230*230mm
Package(LxWxH)	270*185*245mm	345*255*350 mm		
Package	neutral packaging or customized			
Net Weight	5KG	9.7KG		
packaging including accessories	5.5KG	11.2KG		
LiFePO. Battery	18650/2600mah, 6 series 8 paralle	32140/15000mah, 7 series 3 paralle	12.8V 100Ah	12.8V 150Ah
Battery capacity	461.7WH /20.8AH/124800MAH	1008WH /45AH/315000MAH	1280Wh	1920Wh
Output	USB,2*5V3A/9V2A/12V1.5A	SB,2*5V3A/9V2A/12V1.5A	USB,2*5V2A	USB,2*5V2A
Output	TYPE-C1,5V3A/9V2A/12V1.5A	TYPE-C1,5V3A/9V2A/12V1.5A		
Input/output	TYPE-C2,5V3A/9V3A/12V3A/15V3A/20V3A(65Wmax)	TYPE-C2,5V3A/9V3A/12V3A/15V3A/20V3A(100W max)		
Output	DC-5521,2*12V/10A/120W (max)	DC-5521,2*12V/5A/60W (max)	DC-5521,2*12V/10A/120W (max)	DC-5521,2*12V/10A/120W (max)
Output	Car charger, 12V/10A/120W (max)			
LED	1W-3W	1W-2W-5W	1W-3W	1W-3W
Input	DC-5521, 100W (adapter)	DC-7909,180w (max adapter)	DC-5521, 120W (adapter)	XT60, 360W (adapter)
Input	DC-5521, 100W (12V-28V solar)	Anderson, 180W (12V-28V solar)	DC-5521, 300W (12V-28V solar)	XT60, 300W (12V-28V solar)
AC output	500W*1	1200W*2	1500W*2	2000W*2
Electrical appliances	220V50HZ/110V60HZ (choose one of the two)			
Output power	500W, overload power 650W, peak power 1000w	1200W, Overload power 1300W, Peak power 2400W	1500w, Overload power 1700w, Peak power 3000W	2000W, Overload power 2200W, Peak power 4000W



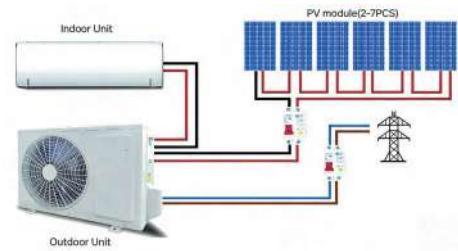
DATA SHEET

Model	PV PANEL						
Peak power (Pmax)	170W	200W	280W	430W	480W	530W	580W
Max. power voltage (Vmp)	18.90V	19.350V	22.38V	32.56V	35.39V	39.18V	43.43V
Max. power current (Imp)	9.01A	10.34A	12.55A	13.21A	13.57A	13.53A	13.36A
Open circuit voltage (Voc)	22.85V	24.15V	26.01V	39.18V	42.72V	46.95V	52.14V
Short circuit current (Isc)	9.50A	11.28A	13.35A	13.64A	14.31A	14.32A	14.06A
Efficiency	16.89%	19.87%	22.26%	22.02%	22.17%	22.32%	22.45%
Max. system voltage	1000VDC	1000VDC	1000VDC	1500VDC	1500VDC	1500V DC	1500V DC
Series fuse rating	15A	15A	15A	25A	25A	25A	25A
Number of bypass diode	2	2	2	3	3	3	3
Operating temperature	-40°Cto+85°C						
Dimensions	1480*680*35/30mm	1480*680*35/30mm	1722*765*35/30mm	1722*1134*35/30mm	1909*1134*35/30mm	2094*1134*35/30mm	2278*1134*35/30mm
Solar cells	36 cells	39 cells,TOPCon	72 cells,TOPCon	108 cells,TOPCon	120 cells,TOPCon	132 cells,TOPCon	144 cells,TOPCon
Weight	12kg, monofacial glass	12kg, monofacial glass	14kg, monofacial glass	21kg, monofacial glass 24kg, bifacial dual glass	23kg, monofacial glass 26kg, bifacial dual glass	25kg, monofacial glass 29kg, bifacial glass	27kg, monofacial glass 32kg, bifacial dual glass
Cable	Cooper (4mm ²)						
Cable Lengths	900mm(+) and 900mm(-), or customized	300mm(+) and 300mm(-), or customized	300mm(+) and 300mm(-), or customized	300mm(+) and 300mm(-), or customized	300mm(+) and 300mm(-), or customized	300mm(+) and 300mm(-), or customized	300mm(+) and 300mm(-), or customized
Connector	MC4 Plug Types						
Frame	Aluminium-alloy						

SOLAR AIR CONDITIONER SAC



ACDC PV Air Conditioner Connection Diagram



Key Components



Brushless DC fan motor



Twin Rotary DC Compressor



Smart Indicator
Red: City Power; Green: PV Power



Dual Power Dual Driver Management Circuit

Core Technology

Cost Saving
No inverter, no battery, no
charger controller needed

100% Eco Up to
100% Saving in day time

Max Utilization of Solar Energy
DC power seamless
connection from 1W

Max Efficiency
DC-driven

Wide Operating Temperature
Temperature Range between
-15to+58°C

Auto Balance
AC/DC auto balance

DATA SHEET

Model	SAC				
Items	9GW	12GW	18GW	24GW	30GW
Rated Input AC	220~ 240V/50Hz/60Hz, 110~ 120/60Hz	220~ 240V/50Hz/60Hz, 110~ 120/60Hz	220~240V/50Hz/60Hz	220~240V/50Hz/60Hz	220~240V/50Hz/60Hz
Rated Input DC	DC80~380V MAX.15A	DC80~380V MAX.15A	DC80~380V MAX.15A	DC80~380V MAX.20A	DC80~380V MAX.20A
Rated Capacity (Cooling)	2500W/9000BTU	3500W/12000BTU	5200W/18000BTU	7200W/24000BTU	8500W/30000BTU
Rated Capacity (Heating)	2750W/9500BTU	3860W/13000BTU	5200W/18000BTU	7200W/24000BTU	8500W/30000BTU
Rated Power Consumption (Cooling)	690W	980W	1520W	2100W	2500W
Rated Power Consumption (Heating)	713W	1030W	1550W	2180w	2600W
Rated Running Current (Cooling)	3A	4.5A	6.9A	9.3A	11.3A
Rated Running Current (Heating)	3.1A	4.7A	7A	9.6A	11.8A
Max. Input Power	1450W	1870w	2860W	3800W	4000W
Max. Input Current	6.6A	8.5A	13A	17.2A	19A
Energy Efficiency (SEER/SCOP)	6.6/4.6	6.6/4.6	6.6/4.0	6.6/4.0	6.6/4.0
Refrigerant	R32/R410a				
Refrigerant Charged	900g	900g	920g	1260g	1290g
Air Flow Volume	650m3/h	650m3/h	900m3/h	1200m3/h	1300m3/h
Noise level (INDOOR/OUTDOOR)	41dB(A)/50dB(A)	42dB(A)/50dB(A)	45dB(A)/52dB(A)	48dB(A)/56dB(A)	51dB(A)/58dB(A)
Evaporator and Condenser	blue open window hydrophilic fin(X-type);internal threaded pipe, double row				
Fan motor	All copper wire manufacturing,DC brushless				
Refrigeration compressor	DC drive,Rolling Rotor Type				
Compressor brand	GMCC	GMCC	LAMDA	GMCC	GMCC
Indoor unit weight (Net)	12Kg	12Kg	15Kg	17.5Kg	18.5Kg
Outdoor unit weight (Net)	38Kg	40Kg	43Kg	55Kg	57Kg

DATA SHEET

Model	Y5
Video resolution	4 million + 4 million dual high-definition sensors
Video encoding	H.265
White light	50 square
Wide-angle lens	2.5mm/120° wide-angle lens (manual 180° horizontal rotation/15° vertical rotation)
Shell material	Metallic paint plastic
PTZ parameters	Automatic pan rotation 355°/vertical rotation 90° 30°/sec
Onboard storage	Maximum support 128G
Cloud storage	Maximum support 30 days storage
Audio output	8 ohms 3 watts
PTZ lens	6mm lens/2.8–12mm 4X optical zoom/5–50mm 10X optical zoom optional
Infrared night vision distance	5–40 meters
Video mode	All day recording, motion detection recording
Audio input	Built-in 38db microphone
System Configuration	IOS 7.1 Android 4.0 and above
Operating temperature	15°–55°
Insight	2T computing power supports humanoid vehicle recognition
Solar panels	6W ETFE
Battery	20000mah (21700–5000mah*4pcs)
Warranty	1/2/3 Years
Charger	5V2A
Wireless module	4G version: LTDFDDWCDMA; WIFI version: 2.4GHz wireless 802.11b/q/n wireless network



MULTIFUNCTIONAL
CAMERA

- Powered by solar energy
- 360° coverage with flexible adjustment

SOLAR DC REFRIGERATOR SDR



DATA SHEET

Model	SDR						
Type	Single door	Double Door Top Freezer	Double Door Top Freezer	Double Door Top Refrigerator	Double Door Top Refrigerator No Frost	Solar Ice Maker	Solar Ice Maker
Freezer room	5L	48L	80L	124L	98L	198L	30kgs/day
Power	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 24V	DC 24V
Temperature Range	0-10°C	0-10°C / ≤-18°C	0-10°C / ≤-18°C	0-10°C / ≤-18°C	0-10°C / ≤-18°C	≤-18°C	≤-18°C
Power consumption	50W	75W	90W	98W	103W	225W	165W
Production Dimensions	450*445*500 (mm)	480*490*1105 (mm)	520*550*1515 (mm)	580*590*1660 (mm)	595*695*1860 (mm)	555*578*1410 (mm)	354*428*637 (mm)
Carton Size	500*490*520 (mm)	500*540*1160 (mm)	570*605*1550 (mm)	630*635*1720 (mm)	650*735*1950 (mm)	580*650*1465 (mm)	430*525*685 (mm)
Refrigerant	R134a	R134a	R134a	R134a	R600a	R134a	R134a
Solar Panel Power (W)	250W	250W	300W	400W	500W	1000W	400W
Battery Capacity (Ah)	150Ah	150Ah	200Ah	200Ah	250Ah	250Ah*2	250Ah



DATA SHEET

Model	SF							
Power consumption	38W	47W	47W	78W	100W	156W	255W	271W
Input voltage	DC12V/24V	DC12V/24V	DC12V/24V	DC12V/24V	DC12V/24V	DC24V	DC24V	DC24V
Capacity	98 Litre	198 Litre	108 Litre	258 Litre	358 Litre	658 Litre	1388 Litre	1688 Litre
Temperature range	≤-18℃	≤-18℃	≤-18℃	≤-18℃	≤-18℃	≤-18℃	≤-18℃	≤-18℃
Inner glass door	no	no	yes	yes	yes	no	no	no
Key & lock	yes	yes	yes	yes	yes	yes	yes	yes
Inner light	no	no	optional	yes	no	no	no	no
Basket/pcs	1	1	1	1	1	1	1	1
Thermostat	mechanical							
Colour	white							
Defrost	manual							
Compressor/quantities	1	1	1	1	1	1	2	2
Doors/quantities	1	1	1	1	1	2	2	3
Product size (mm)	552*474*847	820*556*847	580*555*834	952*668*834	1294*645*840	1598*885*930	2335*1025*930	3175*1025*950
Carton size (mm)	582*498*885	850*580*885	620*580*885	990*670*885	1335*665*882	1655*895*1010	2395*1035*1010	3235*1035*1020
N.W. / G.W. (KG)	23/25	34/38	35/37	54/57	68/71	93/102	150/155	174/180
Loading quantity/40HQ	286	166	228	125	81	28	16	12
Solar Panel Power (W)	250W	300W	250W	300W	400W	800W	1000W	1200W
Battery Capacity (Ah)	150Ah	200Ah	150Ah	200Ah	250Ah	200Ah*2	250Ah*2	200Ah*4

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