



JINHUA SUNMASTER SOLAR LIGHTING CO.,LTD.



SUNMASTER

www.solarlightsmanufacturer.com



JINHUA SUNMASTER SOLAR LIGHTING CO.,LTD



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About SunMaster

Jinhua SunMaster Solar Lighting Co.,Ltd.is a Zhejiang based enterprise, specialized in supplying solar street lights, solar garden lights, wind & solar hybrid lights, small & medium solar generating systems, solar home lighting system and solar pump system etc.

SunMaster currently owns manufacturing plants with a total area of 18,000 square meters, with multiple workshops for the production of solar panels, LED lights, pole, controller and the relative parts. The company have an annual manufacturing capacity of 45,000-50,000 solar street lights and solar systems. The company are ISO9001 certified .The products are CE, RoHS, SGS, SONCAP, TUV, COC, CQC, SABS, SGS certified.

SunMaster has gathered a group of excellent personnels who have been worked in the semiconductor industry or related fields for many years, including physical, thermology, photology, mechanics, electronics and other majors. We cooperate with Semiconductor Institute of Beijing University and LED Research Center of Zhejiang University. With the company spirit of “devotion, team work and innovation”, SunMater staff will work hard to provide optimum solar lighting solutions, best quality products and quick aftel-sale-service for our customers.

What you can get from SunMaster

Presales Serive

- Free customized design of optimum solar system
- Free Dialux simulation drawing
- Free installation simulation

During-Production Service

- You can remotely monitor the whole production process by photo from SunMaster team

After-sales Serive

- Offer details installation instructions and videos
- For large project,we send for engineer to the field
- Life-long free technology support and part's replacement



Customer feedback

“Hello Lily

My test is totally coherent with your words bellow your 28w street light have a good performance, better performance that a ZNZ similar unit Comparison at 5m: than

	Lamp	LUX	VOLTAGE	CURRENT	POWER
Sunmaster	28W (28 led)	60	12.35	2.9	35.8 w
ZNZ	40W [32x1.1w led]	59	12.4	3.8	47.0 w

is clear, sunmaster deliver the same light, with less power, why? I guess that maybe you use more powerfull leds, then they work in a more efficient range,... I am learning with you”



Javier Lineros Torrealba,
Antofagasta, Chile

“My customer is very happy with your solar lamps because its working fine and has a very good quality , now, they ask for the 60 watt model”



Mr. Eduardo Sanchez Solano,
Mexico

“Dear Linda,
We installed the solar system you sent, they are very good quality indeed. I will place another order next week”



Raymus Chai,
Nairobi – Kenya

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by SunMaster
Integrated & Intelligent Solar Street Light

LED. SOLAR. INNOVATION.

All in one series has a built-in motion detection security feature that automatically regulates the LED light output from full brightness to a lower level depending upon the detection of movement around the light. This fluctuation of lighting intensity preserves battery power and also serves to increase community security by deterring unsociable activity late at night and early in the morning where these lights are installed.



LIGHTING THE WAY

Built specifically to illuminate a wide range of applications, is the world's most versatile and compact LED solar lighting system. Its clever design and slim line construction incorporates the latest solar power and LED technology, providing many years of consistent performance and operational reliability.

BUILT TO LAST

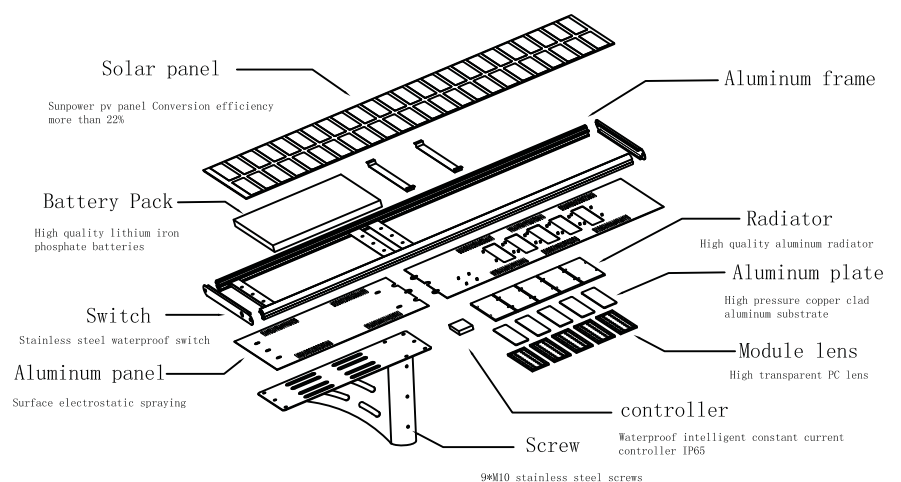
Has been designed to withstand the harshest and most extreme environments has to offer; From blistering heat to driving rain, hail and sub-zero temperatures. Whatever the environment is, SunMaster rugged construction is up for the challenge. Its internal components offer IP65 weather protection and its external components are build with marine grade aluminum and stainless steel fixings.

UNIQUE PROPERTIES

- All-In-One' solar module=Easy installation
- Plug & Play wiring=Fast installation
- Lithium battery technology offers up to 4 times more discharge capacity over Lead
- Acid types and 3 times more cycle life. Tamper and Theft proof design
- Automated LED output options for greater battery autonomy
- Customer replacement components



Example of configuration for 20W



All In One Solar Street Light



Description

Model		SMLN-05W	SMLN-08W
LED lamp	Max power	12V5W	12V8W
	Lumen(lm)	550~600lm	880~960lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)	
	Viewing angle	120°	
	Color temp.	2500k ~6500k (warm white, pure white or cool white)	
Solar panel	Max power	18V/15W	
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years	
LiFePo4 battery	Capacity	12.8V/4Ah	12.8V6Ah
	Life time	>6 years	
Controller	Infrared sensor	Lighting time controlled by infrared sensor	
Charging	by sun	6~10 hours	
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days	
Work temp.	range(°c)	-30°c~+75°c	
Pole Height	range(m)	2.5~4m	
Pole Space	range(m)	7~10m	
Material		Aiuminum alloy + tempered glass (IP65)	
Certificate		CE / RoHS / IEC60598	
Packing & Weight	Product Size	480x280x55mm	
	Product weight	4.5kg	5.8kgs
	Carton size(mm)	560x570x410mm	
	Q'TY/CTN	4set	
	G.W./CTN	22kgs	27kg

Specifications subject to change without notice

All In One Solar Street Light

Description

Model		SMLN-12W	SMLN-15W
LED lamp	Max power	12V12W	12V15W
	Lumen(lm)	1320~1440lm	1650~1800lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)	
	Viewing angle	120°	
	Color temp.	2500k ~6500k (warm white, pure white or cool white)	
Solar panel	Max power	18V/30W	
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years	
LiFePo4 battery	Capacity	12.8V/9Ah	12.8V/12Ah
	Life time	>6 years	
Controller	Infrared sensor	Lighting time controlled by infrared sensor	
Charging	by sun	6~10 hours	
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days	
Work temp.	range(°c)	-30°c~+75°c	
Pole Height	range(m)	3~5m	
Pole Space	range(m)	8~15m	
Material		Aiuminum alloy + tempered glass (IP65)	
Certificate		CE / RoHS / IEC60598	
Packing & Weight	Product Size	710x350x55mm	
	Product weight	5.8kgs	8kgs
	Carton size(mm)	730x440x450mm	
	Q'TY/CTN	3set	
	G.W./CTN	27kg	28kgs



Specifications subject to change without notice

All In One Solar Street Light



Description

Model		SMLN-18W	SMLN-20W
LED lamp	Max power	12V18W	12V20W
	Lumen(lm)	1980~2160lm	2200~24000lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)	
	Viewing angle	120°	
	Color temp.	2500k ~6500k (warm white, pure white or cool white)	
Solar panel	Max power	18V/50W	
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years	
LiFePo4 battery	Capacity	12.8V/14Ah	12.8V18Ah
	Life time	>6 years	
Controller	Infrared sensor	Lighting time controlled by infrared sensor	
Charging	by sun	6~10 hours	
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days	
Work temp.	range(°c)	-30°c~+75°c	
Pole Height	range(m)	4~5m	
Pole Space	range(m)	8~20m	
Material		Aiuminum alloy + tempered glass (IP65)	
Certificate		CE / RoHS / IEC60598	
Packing & Weight	Product Size	920x330x140mm	
	Product weight	11.5kg	12.5kg
	Carton size(mm)	950x410x210mm	
	Q'TY/CTN	1set	
	G.W./CTN	14kgs	15kg

Specifications subject to change without notice

All In One Solar Street Light

Description

Model		SMLN-25W	SMLN-30W	SMLN-40W
LED lamp	Max power	12V25W	12V30W	12W40W
	Lumen(lm)	2750~3000lm	3300~3600lm	4400~4800lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)		
	Viewing angle	120°		
	Color temp.	2500k ~6500k (warm white, pure white or cool white)		
Solar panel	Max power	18V/60W		
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years		
LiFePo4 battery	Capacity	12.8V/21Ah	12.8V/24Ah	12.8V/27Ah
	Life time	>6 years		
Controller	Infrared sensor	Lighting time controlled by infrared sensor		
Charging	by sun	6~10 hours		
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days		
Work temp.	range(°c)	-30°c~+75°c		
Pole Height	range(m)	4~7m		
Pole Space	range(m)	8~20m		
Material		Aiuminum alloy + tempered glass (IP65)		
Certificate		CE / RoHS / IEC60598		
Packing & Weight	Product Size	1170x330x145mm		
	Product weight	17kg	18kgs	19kg
	Carton size(mm)	1200x410x230mm		
	Q'TY/CTN	1set		
	G.W./CTN	18kgs	19kg	20kgs



Specifications subject to change without notice

All In One Solar Street Light



Description

Model		SMLN-50W	SMLN-60W	SMLN-70W
LED lamp	Max power	12V50W	12V60W	12V70W
	Lumen(lm)	5500~6000lm	6600~7200lm	7700~8400lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)		
	Viewing angle	120°		
	Color temp.	2500k ~6500k (warm white, pure white or cool white)		
Solar panel	Max power	18V/90W		
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years		
LiFePo4 battery	Capacity	12.8V/33Ah	12.8V/42Ah	12.8V/45Ah
	Life time	>6 years		
Controller	Infrared sensor	Lighting time controlled by infrared sensor		
Charging	by sun	6~10 hours		
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days		
Work temp.	range(°c)	-30°c~+75°c		
Pole Height	range(m)	5~7m		
Pole Space	range(m)	20~25m		
Material		Aiuminum alloy + tempered glass (IP65)		
Certificate		CE / RoHS / IEC60598		
Packing & Weight	Product Size	1200x450x145mm		
	Product weight	21kg	23kg	24kgs
	Carton size(mm)	1230x510x230mm		
	Q'TY/CTN	1set		
	G.W./CTN	22kgs	24kgs	25kg

Specifications subject to change without notice

All In One Solar Street Light

Description

Model		SMLN-80W	SMLN-90W	SMLN-100W
LED lamp	Max power	24V80W	24V90W	24V100W
	Lumen(lm)	8800~9600lm	9900~10800lm	11000~12000lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)		
	Viewing angle	120°		
	Color temp.	2500k ~6500k (warm white, pure white or cool white)		
Solar panel	Max power	36V/130W		
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years		
LiFePo4 battery	Capacity	25.6V/26Ah	25.6V/27Ah	25.6V/30Ah
	Life time	>6 years		
Controller	Smart Power	Changable lighting by battery power status		
Charging	by sun	6~10 hours		
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days		
Work temp.	range(°c)	-30°c~+75°c		
Pole Height	range(m)	6~10m		
Pole Space	range(m)	20~25m		
Material		Aiuminum alloy + tempered glass (IP65)		
Certificate		CE / RoHS / IEC60598		
Packing & Weight	Product Size	1595x450x430mm		
	Product weight	31kg	32kgs	33kg
	Carton size(mm)	lamp: 1640x490x120 bracket: 690x270x410		
	Q'TY/CTN	1set		
	G.W./CTN	33kgs	34kgs	25kg



Specifications subject to change without notice

All In One Solar Garden Light



Description

Model		SMUFO-15W
LED lamp	Max power	9V15W
	lumen(lm)	1650~1800lm
	Life time	>100,000 hours (USA Bridgelux LED Chip 45x45mil 150~160lm/w)
	Viewing angle	120°
	Color temp.	2500k ~6500k (warm white, pure white or cool white)
Solar panel	Max power	18V/25W
	Type & life time	Imported american sunpower brand high efficiency mono solar cell, 85% output-power in 25 years
LiFePo4 battery	Capacity	12V/10Ah
	Life time	>5 years
Controller	12V15A	Lighting time controlled by sun
Charging	by sun	6~10 hours
Lighting time	Adjustable	10~12 hours/day, 3~5 continuous rainy days
Work temp.	range(°c)	-30°c~+75°c
Pole Height	range(m)	3~4m
Pole Space	range(m)	6~8m
Material		Aiuminum alloy (IP65)
Certificate		CE / RoHS / IEC60598
Packing & Weight	Product Size	Diameter 510mm,height 230mm
	Product weight	8.2kg
	Carton size(mm)	570x570x280mm(lamp + accessories)
	Q'TY/CTN	1set
	G.W./CTN	10kgs
Container	20GP: 330sets	40GP: 638sets

Specifications subject to change without notice

All In One Solar Garden Light



Model: SM-AP1 (Apple lamp)

solar panel	10W, lifespan 25 years
lamp	5W*LED waterproof and defends foreign matter, lifespan 50000 hours
battery	3V/15AH lithium-iron ferrous phosphate battery, lifespan 10 lifespan
warranty	3 years
lighting time: 8-12h/night, 1-3 days backup	



Solar Lighting Basics

What is a Solar Light?

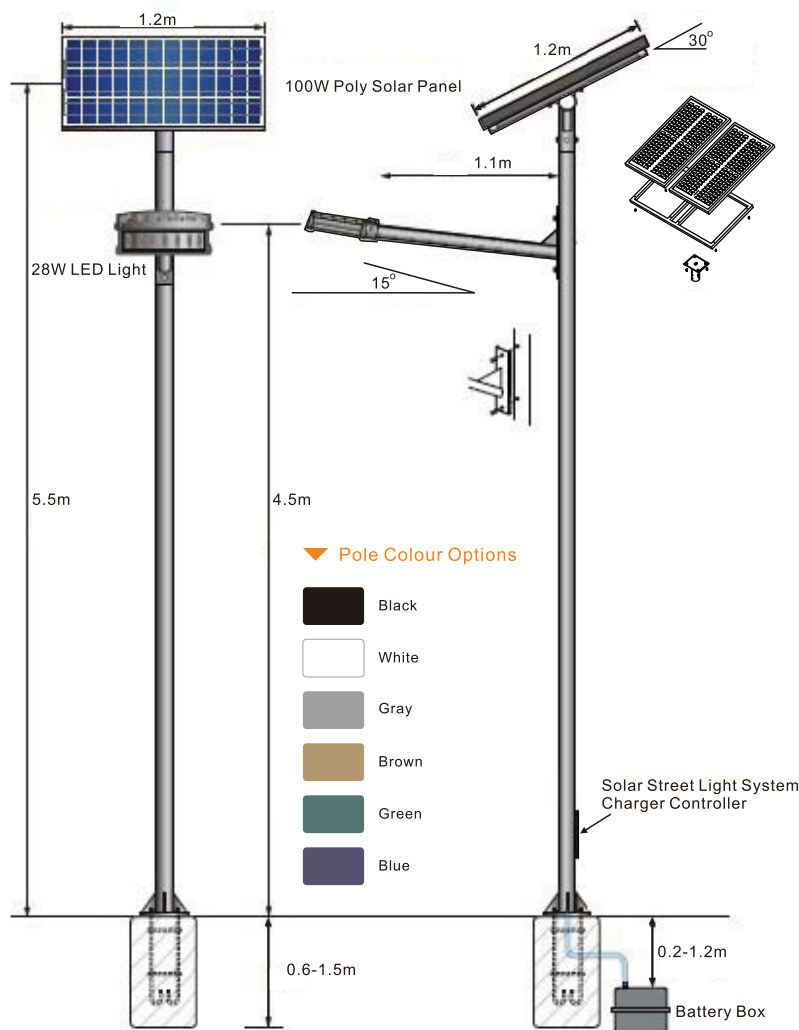
- A solar light is a system for capturing and storing sunlight, then redistributing it according to a preset-program.
- A typical solar light is made up for 5 major components: The solar panel, the battery, the light fixture, the controller, and the pole.

Benefits of a Solar Light

- Save on trenching, landscaping, and metering costs
- No electric bills and very low maintenance cost.
- No power outages or single point of failure for enhanced security
- Safe 12 volt / 24 volt circuit, no risk of electric shock and no need for high-voltage cables
- LED lamps feature cool white light without flickering and higher brightness than sodium lamps
- Easy to install with quick connectors, and does not require a certified electrician

How to Select a Solar Light

- Is the light from a reputable manufacturer with a proven track-record?
- Is the light custom designed for the local weather conditions with sufficient solar panel and battery?
- Are the LEDs from a quality supplier such as CREE and Bridgelux?
- Are the poles thick enough to withstand strong winds?
- Does the manufacturer provide a 5-year warranty?



Applications

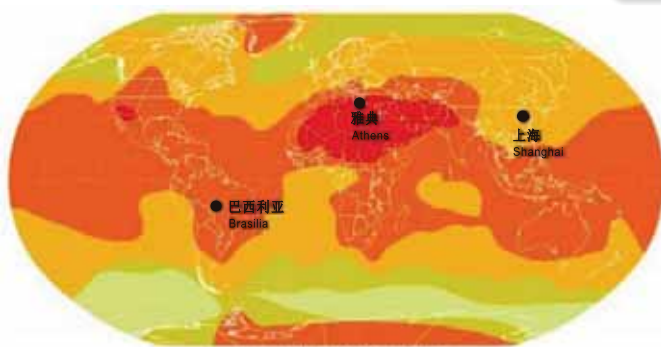
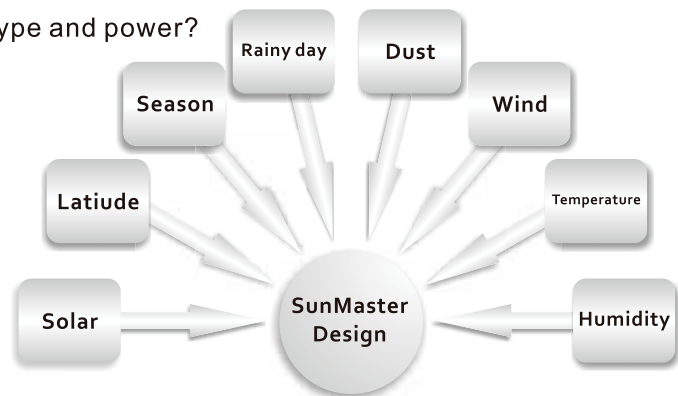
- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting
- Farm & Ranch Lighting
- Wildlife Area Lighting
- Park Lighting
- Gate Lighting
- Yard Lighting
- Fence Lighting
- Campus Lighting
- Boat Dock Lighting
- Remote Area Lighting
- Military Base Lighting

SunMaster Solar LED street light **V.S.** Regular solar LED street light

Item	SunMaster solar LED street light	Regular solar street light
Actual power/Nominal power	1:1	Nominal power is higher than the Actual one
LED luminous effect	130-140lm/W	80-110lm/ w
LED lighting shape	4:1 Rectangular shape	Round
Lighting angle	150 degrees	110 degress
Controller	80% Basic functi ons+save another 80% power	basic function
Anti-days without sunshine	30days	3-7days
Battery	Waterproof with nano technology	No waterproof function
Battery Installation	Bury underground	Battery box on the pole
Battery life	5-8 years	2-4 years
Wire	Anti-UV silicone rubber purple copper wire-low resistance	Ordinary, high wire loss
100%lighting throughout the year	yes	No
Human-friendly installation	5-7 sets of the water-proof joints	No consideration
Overall performance	Excellent	Ordinary

SunMaster Design Factors

- Which City will you install the solar street lights?
- Road width & road length?
- What type of road? Highway, National, Suburb or Parking lot?
- How many hours of light per day required?
- How many continued days lighting without sunshine?
- If retrofit lighting ,what's the existing light type and power?
- Do you have the site photo?
- Any other special requirement?



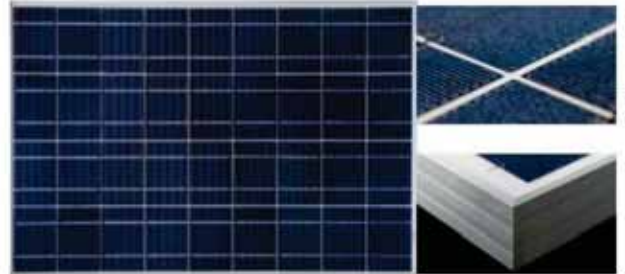
Average yearly total number of Bright SunMaster
 Over-3000 2000-3000 2000-1000 1000-500 Under 500

Country	State/City	Latitude	Longitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Avg
EG	Cairo	29° 35' N	31° 09' E	3.39	4.17	5.24	6.49	7.11	8	7.88	7.4	6.42	5.07	3.86	3.19	5.68
KE	nairobi	1° 16' S	36° 48' E	6.05	6.24	6.07	5.7	5.42	5.14	4.88	5.09	5.78	6.03	5.48	5.6	5.62
NG	abuja	9° 12' N	7° 11' E	5.57	6.33	6.22	6.1	5.89	5.47	4.92	4.65	5.12	5.82	5.81	5.42	5.61
AE	Abu Dhabi	24° 28' N	54° 22' E	3.92	4.50	5.22	5.87	7.06	7.33	6.90	6.64	6.39	5.53	4.54	3.79	5.64
AU	Sydney	34° S	151° 0' E	6.34	5.68	4.87	3.6	2.74	2.5	2.67	3.53	4.67	5.61	6.32	6.6	4.59
CN	Shanghai	31° 10' N	121° 28' E	2.29	2.63	3.07	4.54	4.38	4.59	5.52	5.23	4.03	3.39	2.97	2.38	4.01
IN	New Delhi	28° N	77° E	3.68	4.47	5.50	6.60	7.08	6.55	5.01	4.62	5.11	4.99	4.15	3.42	5.10
IQ	Baghdad	33° 20' N	44° 24' E	2.79	3.64	4.59	5.76	6.83	8.10	7.97	7.29	6.25	4.44	3.04	2.52	5.27
PH	Manila	14° 37' N	120° 58' E	4.82	5.62	6.42	6.75	6.19	4.96	4.94	4.41	4.86	4.63	4.59	4.50	5.22
IT	Milan	45° 28' N	9° 12' E	1.27	1.89	2.91	3.65	4.84	5.36	5.97	5.21	3.91	2.40	1.42	1.08	3.33
US	New York	41° N	74° W	1.67	2.37	3.41	3.93	5.11	5.48	5.26	5.01	4.05	2.85	1.82	1.4	3.53
CL	Santiago	33° 27' S	70° 42' W	7.55	6.56	5.13	3.83	2.59	2.22	2.38	3.09	4.08	5.64	6.84	7.82	4.81
CO	Cartagena	10° 25' N	75° 32' W	5.74	6.18	6.54	6.30	5.62	5.56	5.66	5.72	5.35	4.72	4.90	5.30	5.63

Main Parts

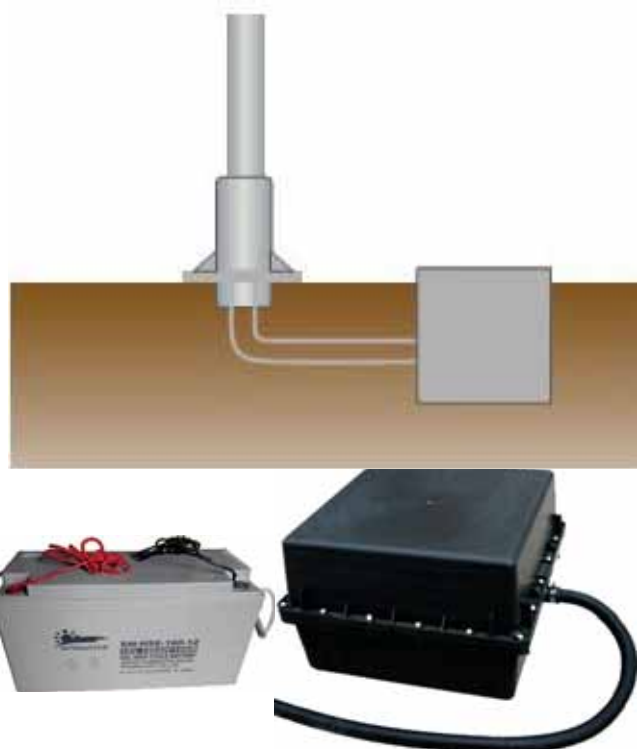
Solar Panel ▶

SunMaster high efficiency solar modules are constructed from 36 or 72 crystalline cells that are connected in series to raise system voltage to 12V or 24V. The cells are individually tested and matched for optimum performance before being built into the protective module structure. High transmission tempered glass protects the cells from the front and a high strength polymer sheet at the rear. A reinforced aluminium frame completes the laminate structure which is fully sealed against moisture and protected from environmental and mechanical damage.



◀ High power LED lighting

SunMaster designs and manufactures LED lights with high efficiency CREE or Bridgelux $>140\text{lm/W}$ LED chip. Eutectic led packaging technology is applied for low heat resistance, low light degradation, high efficiency and long life. Precise optic lens in high intensity PC material provides high uniformity and optimal luminaire spacing, the optical system optimizes the light distribution, eliminate the waste of light, increase the reasonable and effective using of light.

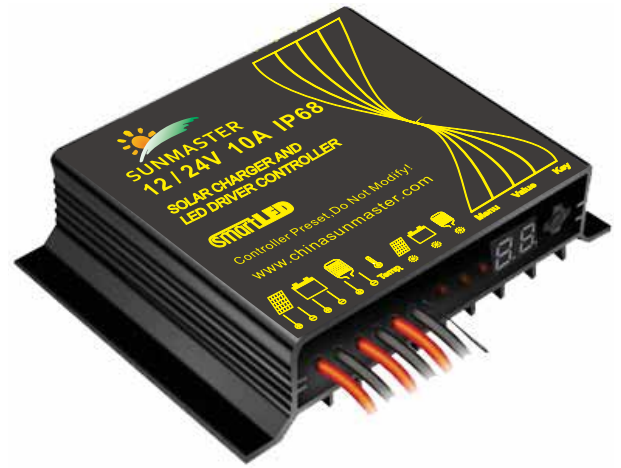


Batteries ▶

Solar systems are the most demanding applications for the battery and the correct choice of battery is fundamental to the integrity of the entire system. Batteries are subjected to high and low temperatures, unpredictable charging, daily cycling as well as potentially partial states of discharges. Therefore it is of utmost importance to correctly choose the right battery for the right application in order to maximise battery life. SunMaster provides expert advice on choice of battery to suit your particular application.

Solar charge controllers ▶

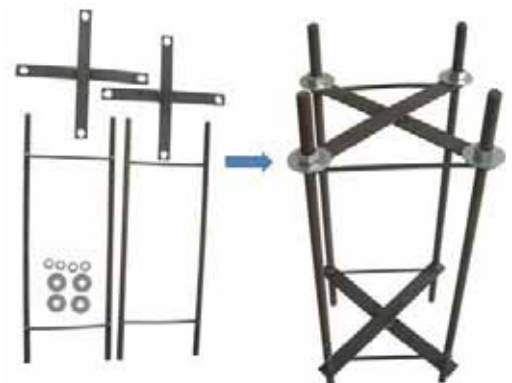
The charge controller is at the heart of every solar system, and is required to monitor and control the power going into and coming out of the battery. It must also manage the power generated by the solar module to ensure it does not overcharge the battery. The charge controller must also ensure that the connected loads don't over-discharge the battery, thereby damaging it. The charge controller also manages the system operation time, enabling change in illumination levels throughout the course of the night. This can be provided at its brightest level during peak times of pedestrian activity, and then dimmed to accommodate times of reduced usage, thereby allowing for maximum energy efficiency. SunMaster Combined LED driver and controller as one, easy to maintain.



▲ Pole and solar panel support

- SunMaster use NASA climate data, make the solar panel tilt degree optimum
- Detachable parts, easy transportation, savings in shipping cost
- Strictly hot-dip galvanizing process ensure 100% anti-corrosion
- Only a screwdriver requiring no welding
- Easy installation, low constructing cost
- Heavy steel rod, high strength

▼ Foundation kits

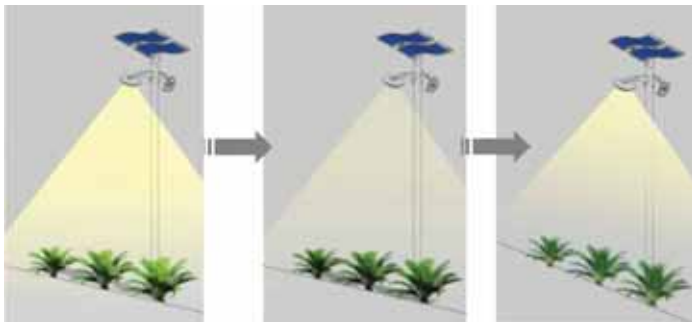


Street light intelligent control

Taken Lighting Pollution into serious consideration, all our street lights are centralized to an intelligent system and adopted with a remote control to adjust different time intervals with different brightnesses according to actual needs.



TO ADJUST LUMINOSITY



Intelligent control system controlled by remote to adjust the luminosity. The remote control setting lamp running state is associated with the site condition.

Street light monitoring control

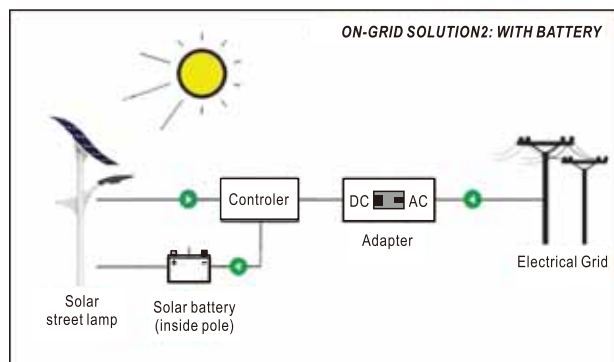
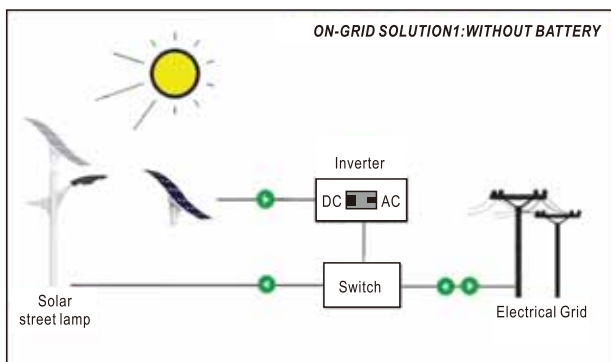
OPTIONAL



Visiting server by computer or mobile phone (cost fees from mobile operator not included) - sending orders to intelligent controller through internet or GPRS network - Intelligent control receives the orders and send to controlled light by wireless signal - getting the status of controlled light.

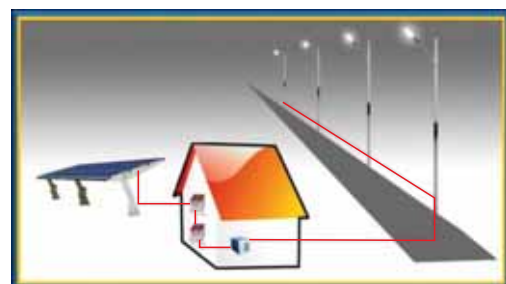
Street light on-grid connection optional

To reduce the electrical consumption of lighted & existing urban area, all our Solar Street Light have been elaborated for being adaptable with any On-grid Urban Lighting System.



Centralised Solar Street lighting system

SunMaster has designed a robust street lighting system specially designed for industries and large campuses. This solar based lighting solution provides three-day autonomy and has significant benefits over conventional solar street lights. The system is built on a similar technology used in roof top installations where all the panels are installed in one location and the electronics and batteries are installed in a control room. A highly efficiency inverter converts solar DC input power to single phase AC output power which is supplied to the street lights (and other lights) just like conventional grid-based AC supply.





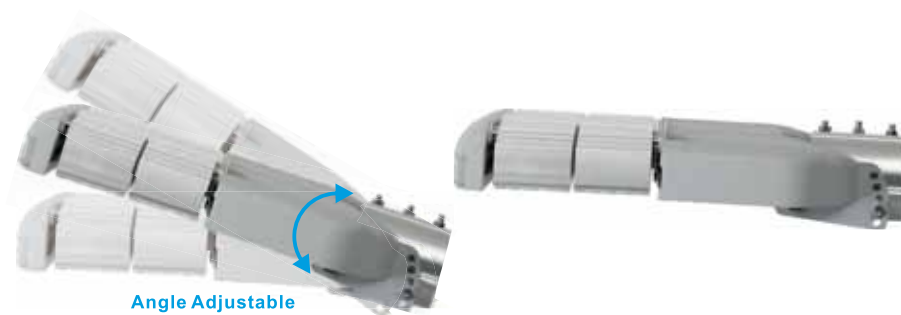
Model	LED lamp	Solar panel	Battery	Lumens	Road width	Pole height	Pole space
STL08	20W	1X60W	1X80Ah	2400lm	5-7m	4-5m	10-12m
STL08	30W	1X90W	1X100Ah	3600lm	6-8m	5-6m	12-15m
STL08	40W	1X120W	1X120Ah	4800lm	8-10m	6-7m	14-16m
STL08	50W	1X150W	2X90Ah	6000lm	10-11m	6-7m	16-18m
STL08	60W	1X180W	2X100Ah	7200lm	13-14m	7-8m	17-18m
STL08	70W	2X100W	2X120Ah	8400lm	14-15m	8-10m	18-20m
STL08	80W	2X110W	2X120Ah	9600lm	16-18m	9-10m	20-24m
STL08	90W	2X120W	2X180Ah	10800lm	18-19m	10-12m	24-26m
STL08	100W	2X140W	2X220Ah	12000lm	20-21m	10-12m	25-27m
STL08	110W	2X160W	2X230Ah	13200lm	22-23m	11-12m	28-30m
STL08	120W	2X180W	2X250Ah	14400lm	24-25m	11-13m	30-33m
STL08	130W	4X100W	2X260Ah	15600lm	25-27m	12-13	32-34m
STL08	140W	4X75W	4X80Ah	16800lm	28-30m	12-13m	75-37m
■ Lighting time: 10-12h/day, 3-5 continued raining days							
■ Wind Resistance: 130km/h(higher wind resistant available)							
■ Optional energy saving function available							
■ For customized design, please contact SunMaster Sales team							



STL29 (30W ~180W)

Solar Street Light

Model	LED lamp	Solar panel	Battery	Lumens	Road width	Pole height	Pole space
STL29	30W	1x100W	1x100Ah	3900lm	7~8m	5~6m	12~15m
STL29	50W	1x150W	2x80Ah	6500lm	9~10m	6~7m	15~19m
STL29	60W	1x180W	2x100Ah	7800lm	10~12m	7~8m	15~18m
STL29	80W	2x120W	2x120Ah	10400lm	10~12m	8~9m	15~19m
STL29	90W	2x140W	2x150Ah	11700lm	10~12m	8~9m	15~18m
STL29	100W	2x150W	2x160Ah	13000lm	10~12m	8~9m	17~22m
STL29	120W	2x180W	2x150Ah	15600lm	19~22m	8~10	20~25m
STL29	150W	4x110W	4x250Ah	19500lm	19~22m	11~12	10~20m
STL29	180W	2x250W	4x250Ah	23400lm	15~18m	12~13	30~35m
■ Lighting time: 10-12h/day, 3-5 continued raining days							
■ Wind Resistance: 130km/h(higher wind resistant available)							
■ Optional energy saving function available							
■ For customized design, please contact SunMaster Sales team							



Solar+Wind Power Street Light

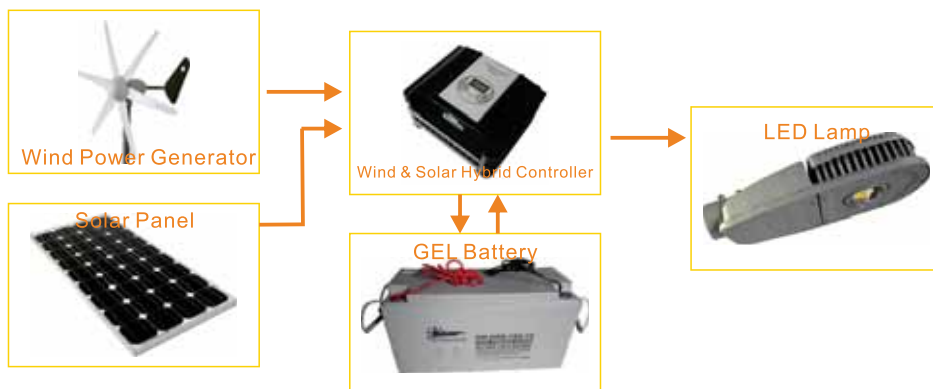
- Use energy-saving optical technology to optimize the utilization of light energy, improve the performance of lighting and reduce consumption of energy.
- Storing energy day and night by wind and solar supplement system to keep lamp running in cloudy or rainy days.
- Use environmentally friendly gel batteries without mercury, cadmium and other harmful environmental elements to leave a clean living space for the next generation.
- Eco-friendly-powered by nature energy and fit in with local landscape.
- Safety-independent operational system to ensure proper functioning of lighting in case of emergency.
- Conveniences-steady and reliable lighting structure to reduce maintenance requirements.



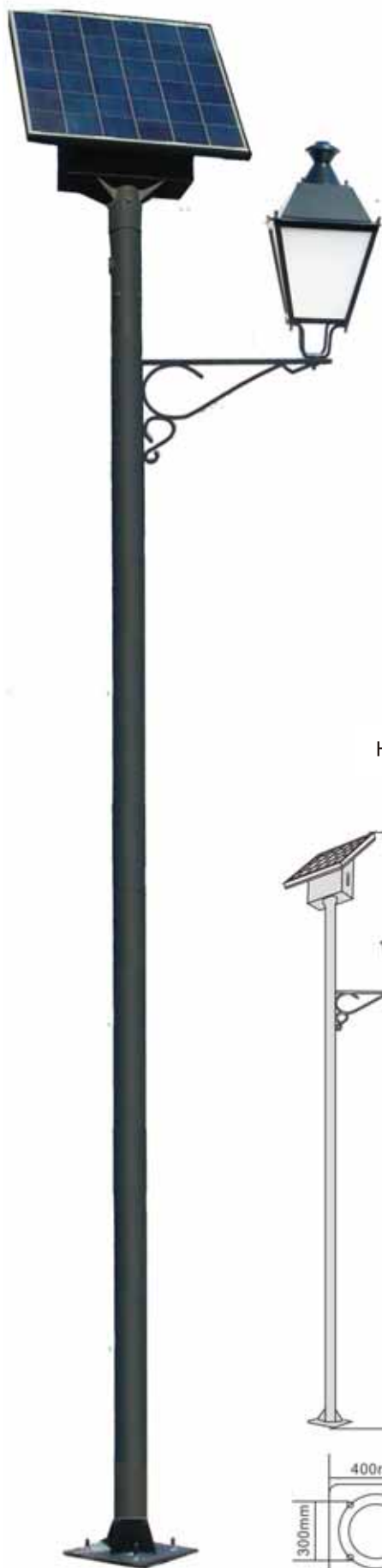
Model	LED lamp	Solar panel	Wind generator	Battery	Lumens	Road width	Pole height	Pole space
SFG08	20W	1X50W	200W	1X80Ah	2400lm	6-7m	6m	10-12m
SFG08	30W	2X40W	300W	1X100Ah	3600lm	7-9m	6-7m	11-13m
SFG08	40W	2X50W	300W	1X120Ah	4800lm	10-11m	7-8m	12-14m
SFG08	50W	2X70W	300W	2X90Ah	6000lm	11-12m	7-8m	13-15m
SFG08	60W	2X80W	400W	2X100Ah	7200lm	12-13m	8-9m	14-16m
SFG08	70W	2X100W	400W	2X120Ah	8400lm	13-14m	8-9m	15-17m
SFG08	80W	2X110W	500W	2X150Ah	9600lm	14-15m	9-10m	17-18m
SFG08	90W	2X120W	600W	2X180Ah	10800lm	15-16m	10m	18-20m
SFG08	100W	2X140W	600W	2X200Ah	12000lm	17-18m	10-11m	23-25m
■ Lighting time: 10-12h / day, 3-5 continued raining days								
■ Wind Resistance: 130km/h(higher wind resistant available)								
■ Optional energy saving function available								
■ For customized design, please contact SunMaster Sales team								



Construction:



Model: SGL05

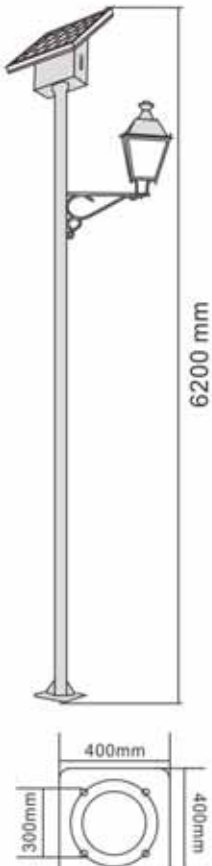


Height	6.2m
Solar Panel	120Wp
Battery	12V / 150Ah
Light	36W LED
Control mode	time / light control half power control
Luminous	150 to 160Lm / W
Color temp	4000~6500K
Working temp	-25°C to +60°C
IP Class	IP65
Install distance	20 to 25m

For customized design,
please contact SunMaster sales team.

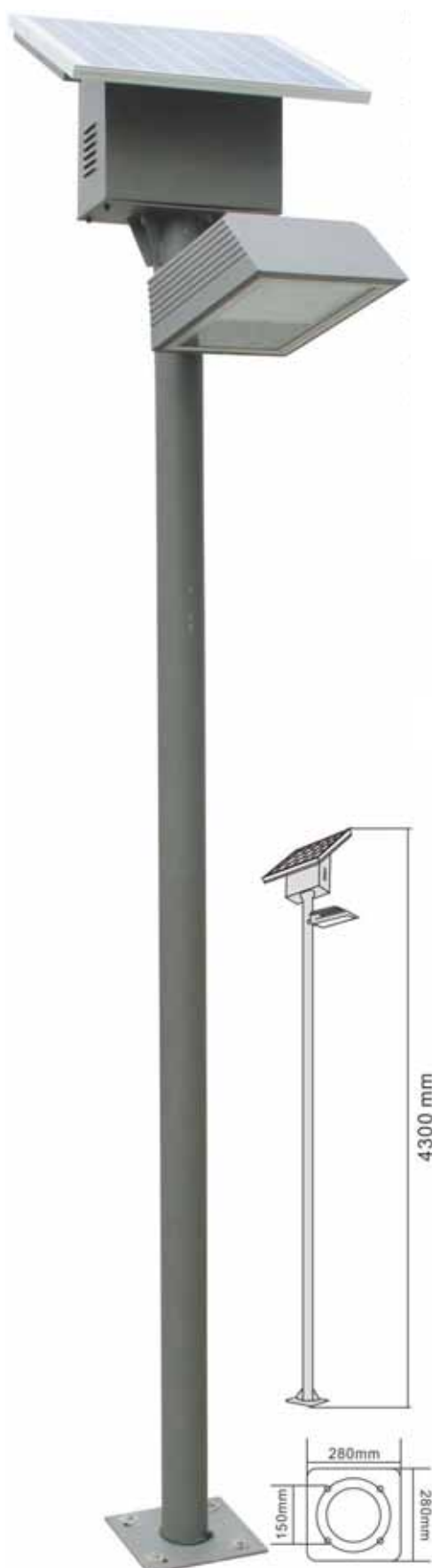


Height



Solar Garden Light

Model: SGL06



Height	3.8m / 4.3m
Solar Panel	60Wp
Battery	12V / 65Ah
Light	16W / 20W LED
Control mode	time / light control half power control
Luminous	150 to 160Lm / W
Color temp	4000~6500K
Working temp	-40°C to +80°C
IP Class	IP65
Install distance	15m to 20m

For customized design,
please contact SunMaster sales team.





SGL13



SGL15



SGL21



SGL26



SGL29



SGL30



SGL31



SGL32



SGL34



SGL35



SGL36



SGL37



SGL38



SGL39



SGL41



SGL42



SGL46



SGL47

LED Street Light



SLD08-30W



SLD08-80W



SLD08-120W



SLD08-180W



SLD01-28W



SLD01-56W



SLD01-98W



SLD01-126W



SLD02-12W



SLD02-24W



SLD02-30W



SLD11



SLD05A



SLD05B



SLD07A



SLD07B



SLD09A



SLD09B



SLD12



SLD18



SLD29A-60W



SLD29A-90W



SLD29B-60W



SLD29B-90W



SLD60-50W



SLD60-70W



SLD60-120W



SLD60-150W



SLD50-60W



SLD50-90W



SLD55



SLD55



SLD15-50W



SLD15-100W



SLD15-150W



SLD19



SLD21



SLD23



SLD30-90W



SLD58

Solar Home Lighting System



Solar panel: 6W5V
LED lamp: 2W*3pc
Battery 3.7V8800mAh, Li
Cable 3.5m
USB mobile phone charger



Solar panel: 3W6V
LED lamp: 2W
Battery 4000mAh, Li
Cable 5m



Solar panel: 1.4W6V
LED lamp: 0.5W*6pc
Battery 4V2.5Ah

Model: SLK01

Model: SLK02

Model: SLK03



Solar panel: 5.5V
LED lamp: 0.5W*1pc
Battery 3.2V600mAh, LFP
USB mobile phone charger



Solar panel: 0.3W
LED lamp: 0.5W
Battery 450mAh



Solar panel: 2.5W5V
LED lamp: 1W*1pc
Battery 3.7V2600mAh, Li
Cable 3.5m
USB mobile phone charger

Model: SLK04

Model: SLK05

Model: SLK06



Solar panel: 0.55W
LED lamp: 1W(16pc LED)
Battery 3.7V1000mAh, Li
PIR



Solar panel: 1W6V
LED lamp: 0.1W*20pc
Battery 4V900mAh
Cable 3.5m
USB mobile phone charger



Solar panel: 0.3W
LED lamp: 0.5W*4pc
Battery 1.2V1000mAh
Ni-Mh

Model: SLK07

Model: SLK08

Model: SLK09



Solar Fan



Model	Sparkler Deluxe
Solar module	6V / 5Wp
Battery	6V / 4.5Ah Lead acid, sealed maintenance free type
Lamp	42 Nos. of 5mm super bright LED
Lantern body	ABS plastic
Cable	Two core 14 strands flat cable
Charging indication	Green
Battery low indication	Red
Usage duration	Up to 8 hours on full charge
Weight of lantern	2Kg
Dimensions of lantern	174x160x318mm
With packing box	2600 set / 20 feet
Qty. per container	



**For customized design,
please contact SunMaster sales team.**

以科技创造光明未来

Create bright future by technology



Solar LED Street Light

Jinhua SunMaster Solar Lighting Co., Ltd.

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Tel:0086-579-82466629 Fax:0086-579-82466621
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Solar Flood Light



Model No.	LED Lamp	Solar Panel	Battery	Controller	Working
STG-10W	10w	25W	33Ah	12V/3A	3-5days
STG-20W	10Wx2	50W	65Ah	12V10A	3-5days
STG-30W	30W	75W	100Ah	12V/10A	3-5days
STG-40W	20Wx2	100W	130Ah	12V/10A	3-5days
STG-42W	42W	100W	140Ah	12V10A	3-5days
STG-50W	50W	130W	160Ah	24V10A	3-5days
STG-60W	60W	150W	200Ah	24V10A	3-5days
STG-80W	80W	200W	260Ah	24V15A	3-5days
STG-90W	90W	220W	300Ah	24V15A	3-5days
STG-100W	100W	250W	330Ah	24V15A	3-5days
STG-110W	110W	270W	360Ah	24V15A	3-5days
STG-120W	120W	300W	400Ah	24V20A	3-5days

Solar Lawn Light



Model: SAL602

Material :Aluminum
Solar panel: 3W
LED: 2W (Epistar)
Battery:6V/4.5AH
Height:45cm



Model: SAL606

Material :Aluminum
Solar panel: 3W
LED: 2W(Epistar)
Battery:6V/4.5AH
Height: 70cm



Model: SAL607

Material :Aluminum
Solar panel: 3W
LED: 2W(Epistar)
Battery:6V/4.5AH
Height: 70cm



Model: SAL605

Material :Aluminum
Solar panel: 5W
LED: 3W (Epistar)
Battery:6V/4.5AH
Height:75cm



Model: SAL601

Material :Aluminum
Solar panel: 3W
LED: 2W(Epistar)
Battery:6V/4.5AH
Height: 80cm



Model: SAL603

Material :Aluminum
Solar panel: 3W
LED: 2W(Epistar)
Battery:6V/4.5AH
Height: 80cm



Model: SAL604

Material :Aluminum
Solar panel: 3W
LED: 2W(Epistar)
Battery:6V/4.5AH
Height: 80cm



Model: SAL501

Lamp house dia. 250mm
Solar panel: 1W
LED: 0.5W(Epistar)
Battery:3.6V / 2300mAh
Height: 60cm



Model: SAL503

Material:Steel+aluminum
Solar panel:2W
LED: 24*0.06W(Epistar)
Battery: 2.3.6V 2300mAh



Model: SAL502

Material:Steel+aluminum
solar panel :0.5W / 1.2W / 2W
LED: 6 or 12 or 24pcs*0.06W
Battery: 3.6V or (2x3.6V)/ 2300mAh
Ø:15cm / 20cm / 30cm

Project Management

SunMaster can provide engineering assistance for your specific projects. Based on your brightness requirements and our own calculations, we can help you in designing the location and orientation of the solar light poles, in order to achieve the best performance. Our service include:

- Optimized positioning of the poles
- Lighting simulations made according to standards
- Technical and design documents for sales pitches
- Rendering of the final project



INSTALLATION

SunMaster solar street lights are extremely easy to install. In most cases, only simple hand tools are needed to assemble the light.

SunMaster offers detailed installation instructions and videos. For larger projects, **SunMaster** can provide onsite installation training and technical assistance.

For better wind resistance, **SunMaster** recommends using concrete foundations for solar lights. **SunMaster** provides all the hardware necessary to build the foundations, and can offer suggestions on the best size based on the customers' wind resistance requirements.



Warranty

- Solar Panel: Minimum 25 years of power generation capacity, with 10-year warranty.
- LED Light: Minimum 50.000 hours life span, with 3-year all inclusive warranty – covers everything on the LED street lights, including lamp holder parts, power supply, radiator, scaling gasket, LED modules & lens.
- Battery: 5 to 8 years life span, with a 3-year warranty for gel battery and 1-year for lead acid battery.
- Controller inverter and all the electronic parts.: Minimum 8 years by ordinary usage, with a 3-year warranty.
- Pole solar panel bracket and all the metal parts: up to 25 years life span, with 10-year warranty.



PROJECTS



Malaysia



Inner Mongolia



Jiaxing China



Highway China



Haiti



Chile



Poland



U.S.A



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Mexico



Pakistan



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SUNMASTER

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