

More
+ Power
Less Expense

SOLAR STREET LIGHT



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ABOUT SUNMASTER

A TOP-BRAND SOLAR LIGHT MANUFACTURER

Solar lights is a Sino Italy-China Enterprise, focus in manufacturing solar panel, solar application product since 2006 based in Jinhua China.Solar Street light covers total 35,000m² factory and branch omces in Italy and Egypt.Our experi-enced R & D team combine the up to date technology into every product design, and provide strong technical support for our customer needs. Solar street Light has obtained ISO9001 quality management system, and our products are quali- fied with CE,RoHS, CB, and other certificqtes through TUV and SGS.

As result of high quality products and outstanding customer service,we have gained a global sales worldwide 140+ countries.

 Tier 1 Solar Module Maker	 30 + Technology Patents
 140+ Destination Countries	 50 + Global Partners
 Strong R&D Team	 8000 + Solar Light Produce Monthly
 35000+ m² Workshop	 ISO9001 Authoritative certification

SMART AND FULLY CONNECTED STREET LIGHTS

- INSTALLATION AND COMMISSIONING SUPPORT
- LIGHTING PROFILES MANAGEMENT
- DATA LOG AND MONITORING
- REGISTRATION AND MAPPING OF INSTALLED DEVICES

ON-SITE CONNECTIVITY WITH BLUETOOTH

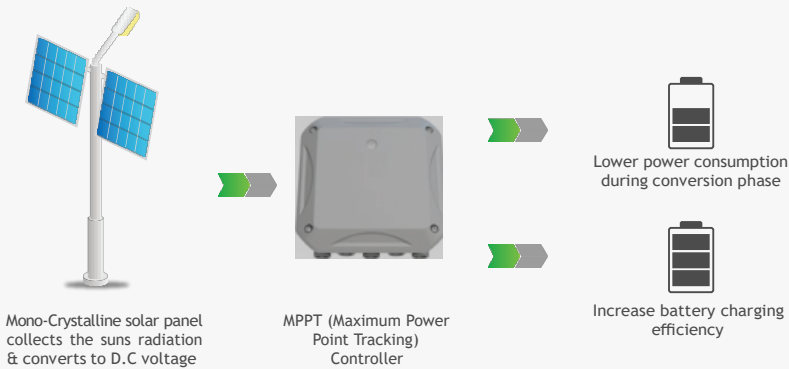
SYNCHRONIZATION VIA APP

This web management platform provides an overview on solutions localization and data collected via the SunMaster APP.

- 1 SOLAR Street lights Isolated area
- 2 WIFI Hotspot Commercial areas
- 3 CCTV Cameras Industrial areas
- 4 Advertising Panels City

1 MPPT Controller (Maximum Power Point Tracking)

Solar Lights has adopted new MPPT technology to further ensure the maximum amount of charge is delivered to the Lithium Iron batteries, the charge emciency can be increased by up to 30% whilst the solar panel is exposed to direct sunlight.



2 Battery Protection

Built tough to withstand the harshest and most extreme environments has to offer, from blistering heat to freezing conditions. What ever the environment is, lithium battery's and smart protection features are up for the challenge; Our lithium battery's are able to work in extreme heat of up to 60 degree celsius & some products can even have an optional thermal heating module added to keep the lights operating in sub freezing conditions as low as -40 degrees. Additionally, Our newly designed battery packs offer multiprotection technol-ogy that allows the 'individual' battery's to work normally even in the unlikely event that some battery's become damaged.

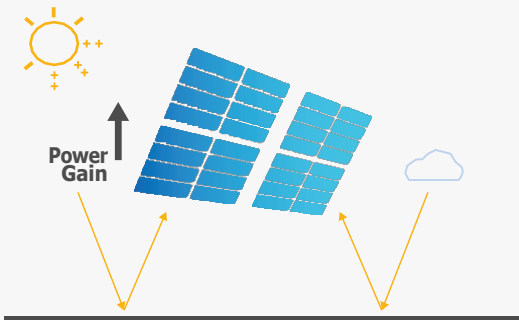
LED Module

Solar Street light offers a versatile range of LED light heads that have the flexibility to be used across our entire range of solar engines; All light heads incorporate 'plug & play' IP67 cable connections and operate on either 12V D.C, 24V D.C or option- al 240V A.C. The light heads feature a robust construction and offers flexible installation options from a 'wrap around pole bracket' or 'spigot installation' to being able to fix directly onto a flat surface.



4 Solar Panel

SUSTAINABLE Renewable energy from the sun combined with emcient panels provides financially smart technology, a clean alternative that improves walkability



Integrated & Intelligent SolarStreet Light

All – In –One

our integrated solar LED street light is simple and elegant, easy to install and maintain, and the application range is wide.



5-year warranty



LED solar streetlight

Stand- alone product: no electricity bill, no grid connection. Up to 30% fewer poles compared to other solar street lights.



Connected product

Bluetooth enabled for product registration, remote monitoring, troubleshooting, and lighting profile management.



Versatile and powerful lighting

Lumens output of 1600 to 6400. Complies with street lighting standards. Comply with street lighting standards.



Very long lifetime

Innovative high heat resistance lithium battery advances natural cooling & intelligent lighting management.



Tiltable LED optics

Tilt from 0 and 30° with 10° steps to match local lighting requirements.



All-in-one solution

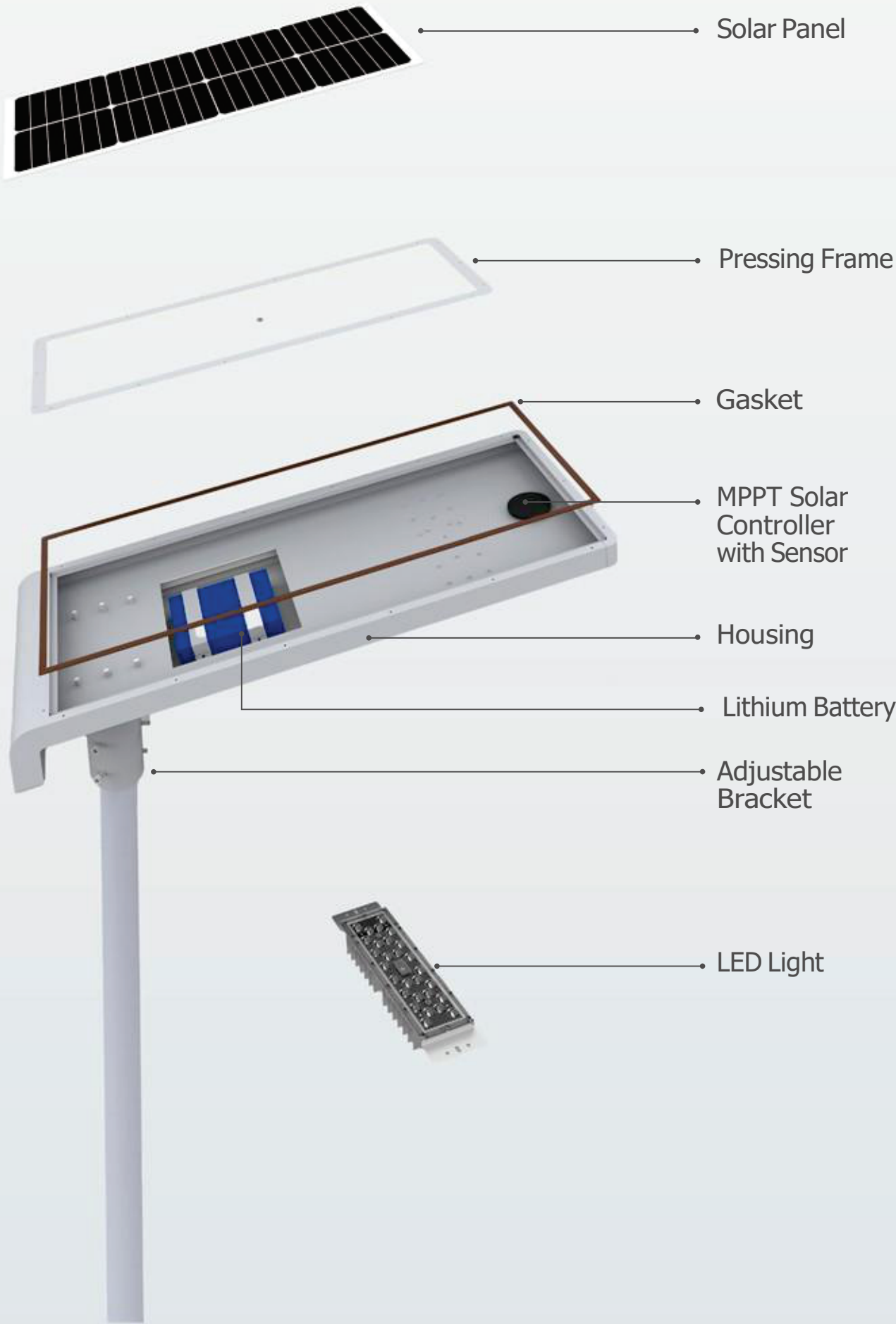
Plug & play for easy installation in a few minutes.
Completely autonomous solution, easy to move at a later date (e.g. construction, natural disasters, public events).



Motion sensor option

Increases light intensity automatically when movement is detected to ensure security and energy conservation.

These features are backed by Solar Street light presence and expertise in, solution integration, aftersales serviceand support to ensure confidence and peace of mind for our customers.





Elegant

Sunar All in One Solar Light

The Sunar All-in-one solar lighting is used for streets, pathways and parking lots. Built-in intelligent MPPT solar controller with sensor, the light can work through the whole night by smart power automatically to max working hours in various weather conditions. The light is also Dark Sky Friendly.

Model No.	SMLN-SP40W	SMLN-SP60W	SMLN-SP80W	SMLN-SP100W	SMLN-SP120W
Solar Panel Type	Mono Crystalline				
Power of PV Module	50W	70W	80W	100W	120W
PIR Sensor	Yes (PIR/Microwave type, selectable)				
Visual Angle	150° 7×0° (Optional)				
Light Output	40W	60W	80W	100W	120W
LiFeP04 Battery	269Wh	384Wh	500Wh	615Wh	717Wh
Main material	Die Casting Aluminum alloy				
LED Chip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nichia available and optional)				
Color Temperature	3000-6500K(Optional)				
Charge Controller	MPPT Charging				
Battery Backup Time	2~3 days				
Operating	-20 °C to +75 °C				
TemperatureFitting	RAL 9006(Optional)				
Color	IP66				
Ingress Protection	25 years				
Operational Life	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable				
Mounting Bracket					
Application	Residential Areas, Roads, Parking Lots, Suares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings				
Certificate	Certificate CE, RoHS, CB, IEC60598, IK10, LM79				

Effective

Bifacial-solar-panel

Solar Light

Bifacial solar panel design and enhance solar energy 20, %
No cable connection, less civil work and easy installation. Built-in waterproof
plug and play connectors, users can replace components
easily when maintenance needed.

Model No.	SMLN- BP30W	SMLN-BP60W	SMLN-BP80W	SMLN-BP100W	SMLN-BP120W
Solar Panel Type	Mono Crystalline				
Power of PV Module	50W	80W	100W	100W	125W
PIR Sensor	Yes (PIR/Microwave type, selectable)				
Visual Angle	150° 7×0° (Optional)				
Light Output	30W	60W	80W	100W	120W
LiFeP04 Battery	307Wh	538Wh	691Wh	845Wh	922Wh
Main material	Aluminum alloy				
LED Chip	SMD3030/5050 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)				
Color Temperature	3000-6500K(Optional)				
Charge Controller	MPPT Charging				
Battery Backup Time	2- 3 days				
Operating	-20 °C to +75 °C				
TemperatureFitting	RAL 9011(Optional)				
Color	IP66				
Ingress Protection	25 years				
Operational Life	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable				
Mounting Bracket					
Application	Residential Areas, Roads, Parking Lots, Suares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings				
Certificate	Certificate CE, RoHS, CB, IEC60598, IK10, LM79				

Popular

Galaxy UFO Solar Light

The Galaxy UFO Solar light, is ideal for application in Garden, Parking lot and Square. Patent design with 360-degree illumination with excellent long life span up to more than 12years. Aluminum die-casting lamp housing makes IP66 waterproof and anti-corrosion.

Model No.	SMLN21-20W	SMLN21-30W	SMLN21-50W
Solar Panel Type	Mono Crystalline		
Power of PV Module	20W	30W	50W
PIR Sensor	Yes (PIR/Microwave type, selectable)		
Visual Angle	140° 7×0° (Optional)		
Light Output	20W	30W	50W
LiFeP04 Battery	154Wh	230Wh	307Wh
Main material	Die Casting Aluminum alloy		
LED Chip	SMD3030 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)		
Color Temperature	3000-6500K(Optional)		
Charge Controller	MPPT Charging		
Battery Backup Time	2~3 days		
Operation Temperature	-20 °C to +75 °C		
Fitting Color	RAL 9006(Optional)		
Ingress Protection	IP66		
Operational Life	25 years		
Mounting Bracket	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable		
Application	Residential Areas, Roads, Parking Lots, Suares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings		
Certificate	Certificate CE, RoHS, CB, IEC60598, IK10, LM79		

Powerful

All in Two Solar Light

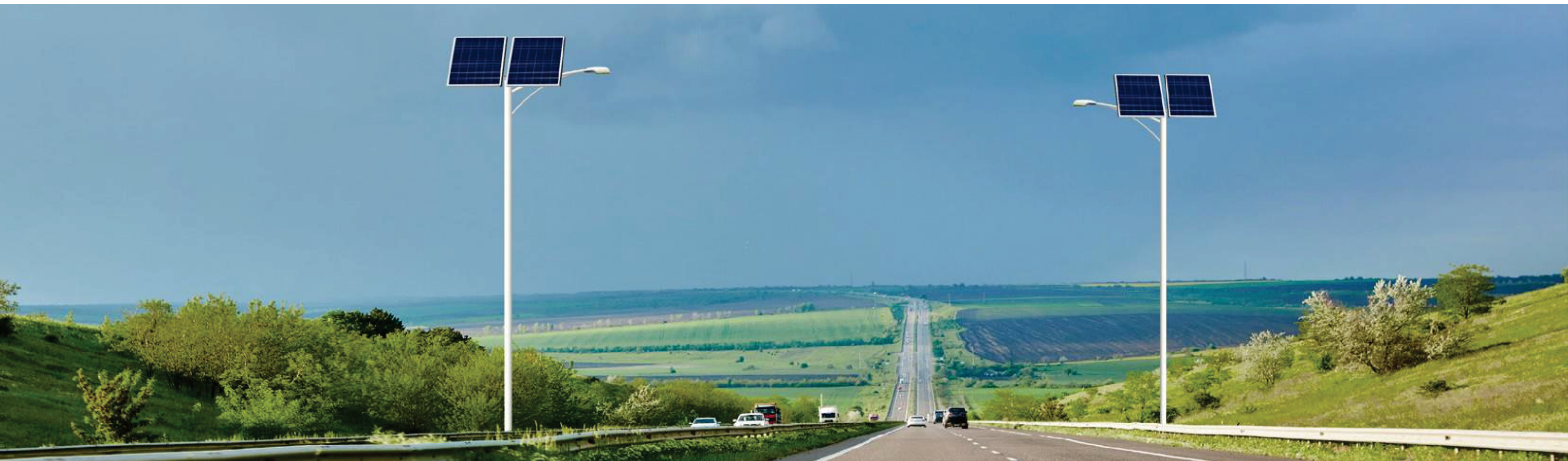
The Superan All-in-two solar lighting specially apply for high illumination areas, like Highway, national road, urban road and airport etc. Bat-wing light distribution, make the road super bright without darkness between poles. Both lithium battery and gelbattery available for certain choice to make cost-effective in individual project perfectly.

Model No.	SMLN42-30W	SMLN42-50W	SMLN-80W	SMLN-100W	SMLN42-120W	SMLN42-150W
Solar Panel Type	Mono Crystalline					
Power of PV Module	90W	150W	250W	300W	360W	450W
PIR Sensor	Optional					
Visual Angle	150° 7×0° (Optional)					
Light Output	30W	50W	80W	100W	120W	150W
LiFeP04 Battery	512Wh	920Wh	1382Wh	1700Wh	2048Wh	2400Wh
Main material	Die Casting Aluminum alloy					
LED Chip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)					
Color Temperature	3000-6500K(Optional)					
Charge Controller	MPPT Charging					
Battery Backup Time	2~3 days					
Operation Temperature	-20 °C to +75 °C					
Fitting Color	RAL 9006(Optional)					
Ingress Protection	IP66					
Operational life	25 years					
Mounting Bracket	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable					
Application	Residential Areas, Roads, Parking Lots, Suares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings					
Certificate	Certificate CE, RoHS, CB, IEC60598, IK10, LM79					

Classic
Classic All in one
Solar Light

The Classic All-in-one solar lighting, waterproof, dimming mode with sensor, super bright 5050 Philips LED bulbs and LiFeP04 lithium battery, to ensure light work dusk to dawn, even in cloudy and rainy weather. Easy to installation and without maintenance through the year.

Model No.	SMLN-B20W	SMLN-B40W	SMLN-B60W	SMLN-B80W	SMLN-B100W	SMLN-B120W	SMLN-150W
Solar Panel Type	Mono Crystalline						
Power of PV Module	50W	80W	100W	120W	140W	150W	200W
PIR Sensor	Yes (PIR/Microwave type, selectable)						
Visual Angle	150° 70° ×(Optional)						
Light Output	20W	40W	60W	80W	100W	120W	150W
LiFePO4 Battery	230Wh	384Wh	538Wh	717Wh	845Wh	922Wh	1280Wh
Main material	Aluminum alloy						
LED Chip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nichia available and optional)						
Color Temperature	3000-6500K(Optional)						
Charge Controller	MPPT Charging						
Battery Backup Time	2~3 days						
Operation Temperature	-20 °C to +75 °C						
Fitting Color	RAL 9006(Optional)						
Ingress Protection	IP66						
Operational life	25 years						
Mounting Bracket	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable						
Application	Residential Areas, Roads, Parking Lots, Squares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings						
Certificate	Certificate CE, RoHS, CB, IEC60598, IK10, LM79						



1 LISTENING TO YOUR NEEDS

Qualification Quote Compliance with tenders



2 SOLAR RADIATION ANALYSIS

Calculation of potential solar energy output based on location and environment. Calculation of the probability of power failure and the efficiency of the lighting system.



3 LIGHTING DESIGN

standards Level of illumination and uniformity
standards Level of illumination and uniformity
Selection of the lighting profile



4 RECOMMENDATIONS AND OFFERS

Project Design Budget Optimization
Remote or On-Site Project Monitoring

Follow the Leader

Solar Street light is a leader in solar light, perfecting LED solar solutions for exterior use. We've proven the efficacy and efficiency of these technologies in countless military and civilian installations, saving thousands on energy cost. In fact, we have more LED luminaires tested by TUV lab than most of the other competitors in China. Our lighting solutions offer immediate economic benefits, sustainable designs and exceed legacy lighting performance and aesthetics. And we go the distance when it comes to walking the talk.

We're Here to Help.

From lighting design to warranty, Solar Street light is rooted and grounded in serving our customer's needs. We understand that there is no perfect lighting solution, no one size fits all, especially for unique applications like the military. We are your turnkey solution for ballasts, fixtures and controls that span the full spectrum of lighting technologies. Our agents and partners can also provide a comprehensive audit and upgrade program to help customers choose the best lighting systems and controls, including measurable energy cost reduction.

Solar Street light provides lighting for perimeters, parking lots, public spaces, streets, residential areas, sports arenas and other areas where lighting security is critical. Our lighting solutions meet and exceed the lighting requirements associated with the operation of middle base in Middle East and around the world. Bottom line? We know LED solar applications and we're with you every step of the way, meeting stringent regulations and saving dollars.

UNDP Qualified Solar Light Supplier

Since the first UNDP solar street light project in Hatti, Solar Street light completed morethan 36+ UN project worldwide:Togo, Mali, Nigeria, Cameroon, Burkina Faso, Niger, Syria, Yemen and Somalia etc. We help customers to participate and win UN tenders with professional technical proposals.





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