SUNMASTER

ALL IN ONE
ALL IN TWO

SOLAR STREET LIGHT

More
+Power
Less Expense

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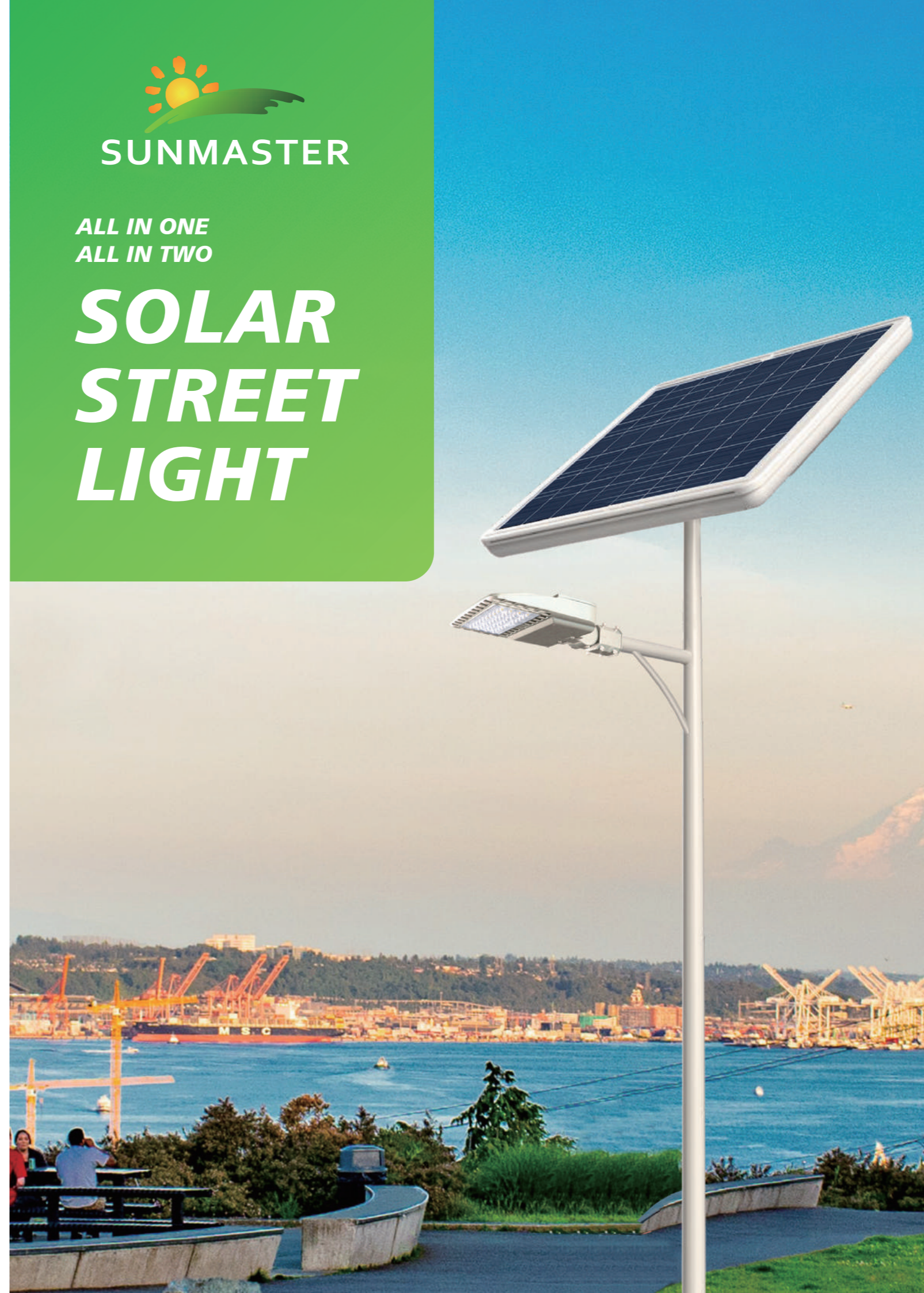**Whats APP:** +86 139 6796 1680

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A TOP-BRAND SOLAR LIGHT MANUFACTURER

SunMaster Solar is a Sino Italy-China Enterprise, focus in manufacturing solar panel, solar application product since 2006 based in Jinhua China.SunMaster covers total 35,000m² factory and branch offices in Italy and Egypt.Our experienced R & D team combine the up to date technology into every product design, and provide strong technical support for our customer needs. SunMaster has obtained ISO9001 quality management system, and our products are qualified 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
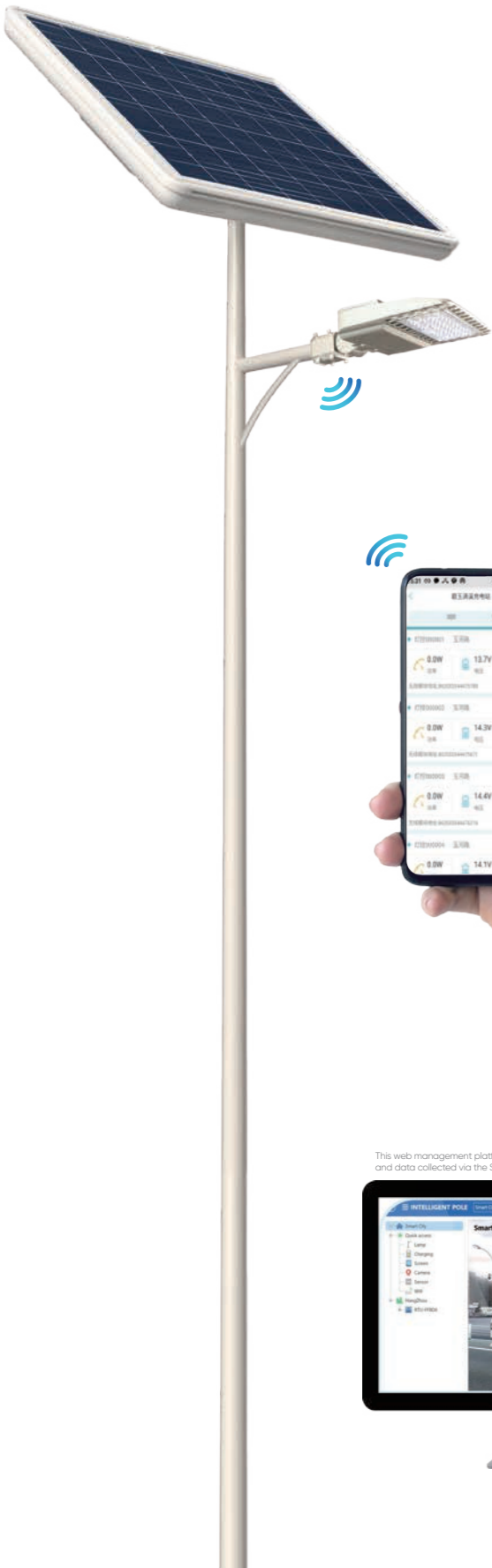
50⁺
Global Partners

Strong
R&D Team

8000⁺
Solar Light Produce Monthly

35000+ m²
Workshop

ISO9001
Authoritative certification

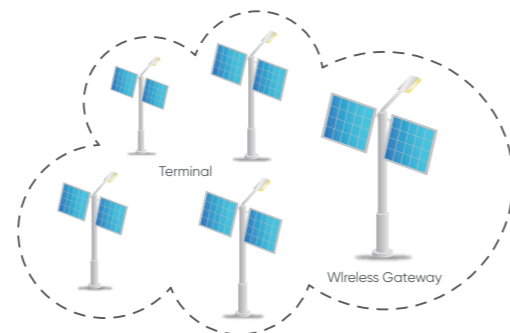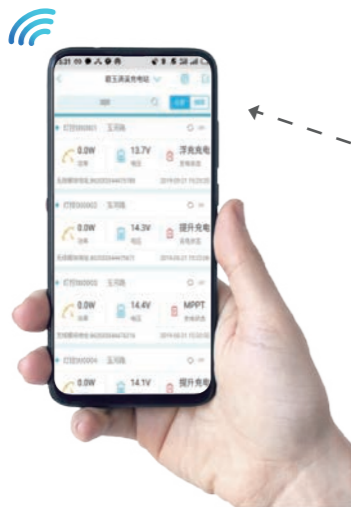# SMART AND FULLY CONNECTED STREET LIGHTS

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.

Terminal

Wireless Gateway

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)

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

Mono-Crystalline solar panel collects the suns radiation & converts to D.C voltage

MPPT (Maximum Power Point Tracking) Controller

Lower power consumption during conversion phase

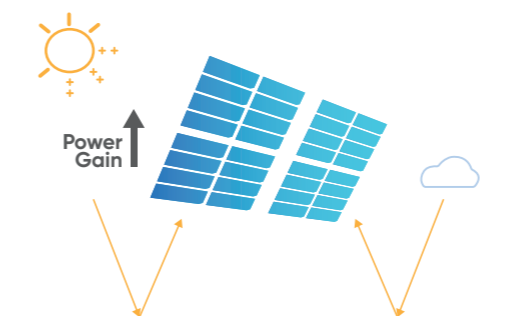Increase battery charging efficiency

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, SunMaster 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 technology that allows the 'individual' battery's to work normally even in the unlikely event that some battery's become damaged.

3 LED Module

SunMaster 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 optional 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

Power Gain

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

Integrated & Itelligent Solar Street 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 & itelligent 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 istallation 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 SunMaster presence and expertise in, solution integration, aftersales service and support to ensure confidence and peace of mind for our customers.

Solar Panel

Pressing Frame

Gasket

MPPT Solar Controller with Sensor

Housing

Lithium Battery

Adjustable Bracket

LED Light

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°×70°(Optional)				
Light Output	40W	60W	80W	100W	120W
LiFePO4 Battery	269Wh	384Wh	500Wh	615Wh	717Wh
Main material	Die Casting Aluminum alloy				
LED Clip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)				
Color Temperature	3000-6500K(Optional)				
Charge Controller	MPPT Charging				
Battery Backup Time	2~3 days				
Operating temperature	-20 ℃ to +75 ℃				
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				

Effecitve

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°×70°(Optional)				
Light Output	30W	60W	80W	100W	120W
LiFePO4 Battery	307Wh	538Wh	691Wh	845Wh	922Wh
Main material	Aluminum alloy				
LED Clip	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 temperature	-20 ℃ to +75 ℃				
Fitting Color	RAL 9011(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				

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 exellent long life span up to more than 12years. Aluminum die-casting lamp housing make 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°×70°(Optional)	
Light Output	20W	30W	50W
LiFePO4 Battery	154Wh	230Wh	307Wh
Main material		Die Casting Aluminum alloy	
LED Clip		SMD3030 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)	
Color Temperature		3000-6500K(Optional)	
Charge Controller		MPPT Charging	
Battery Backup Time		2~3 days	
Operating temperature		-20 ℃ to +75 ℃	
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 gel battery avaliable 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°×70°(Optional)					
Light Output	30W	50W	80W	100W	120W	150W
LiFePO4 Battery	512Wh	920Wh	1382Wh	1700Wh	2048Wh	2400Wh
Main material	Die Casting Aluminum alloy					
LED Clip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)					
Color Temperature	3000-6500K(Optional)					
Charge Controller	MPPT Charging					
Battery Backup Time	2~3 days					
Operating temperature	-20 ℃ to +75 ℃					
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 LiFePO4 lithium battery, to ensure light work dusk to dawn, even in cloudy and rainy weather. Easy to installation and without maintenance through the year.

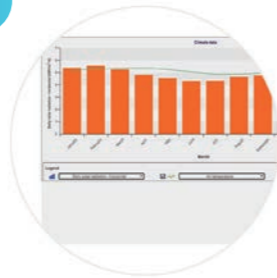| Model No.	SMLN-B20W	SMLN-B40W	SMLN-B60W	SMLN-B80W	SMLN-B100W	SMLN-B120W	SMLN-150W
Solar Panel Type	Mono Crystalline						
Power of PV Module	50W	80W	100W	120W	140W	150W	200W
PIR Sensor	Yes (PIR/Microwave type, selectable)						
Visual Angle	150°×70°(Optional)						
Light Output	20W	40W	60W	80W	100W	120W	150W
LiFePO4 Battery	230Wh	384Wh	538Wh	717Wh	845Wh	922Wh	1280Wh
Main material	Aluminum alloy						
LED Clip	SMD5050 (Philips, Bridgelux, Cree, Osram, Nicha available and optional)						
Color Temperature	3000-6500K(Optional)						
Charge Controller	MPPT Charging						
Battery Backup Time	2~3 days						
Operating temperature	-20 ℃ to +75 ℃						
Fitting Color	RAL 9006(Optional)						
Ingress Protection	IP66						
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Follow the Leader

SunMaster 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 thousandson 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.

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.

We're Here to Help.

From lighting design to warranty, SunMaster light is rooted and grounded in serving our customers 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.

SunMaster 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.

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

UNDP Qualified
Solar Light Supplier

Since the first UNDP solar street light project in Hatti， SunMaster completed more than 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.