



SH14 Series Solar LED Street Light
Product Catalog

先恩光电（苏州）有限公司
Shine Opto (Suzhou) Co.,Ltd



SH1401
(5100lm)



SH1402
(6800lm)



SH1403
(8500lm)



SH1404
(10000lm)

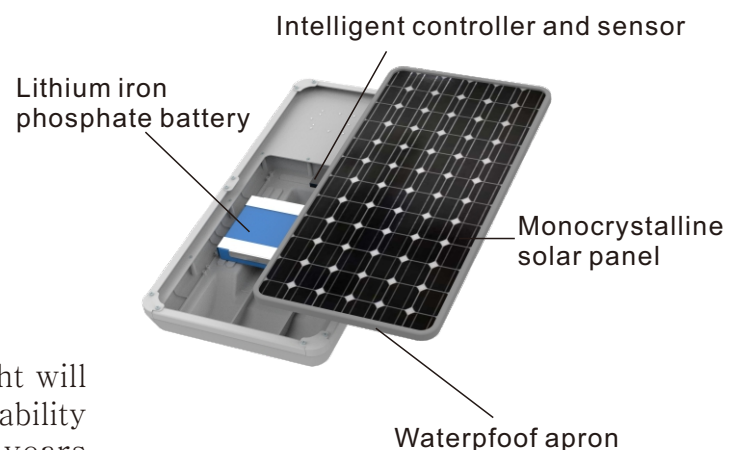


SH1405
(13600lm)

Overview

Streamlined design. Higher efficacy LUMILEDS® LUXEON LED. PWM/MPPT controller is optional. Multiple optical designs, better performance. Easy installation and maintenance.

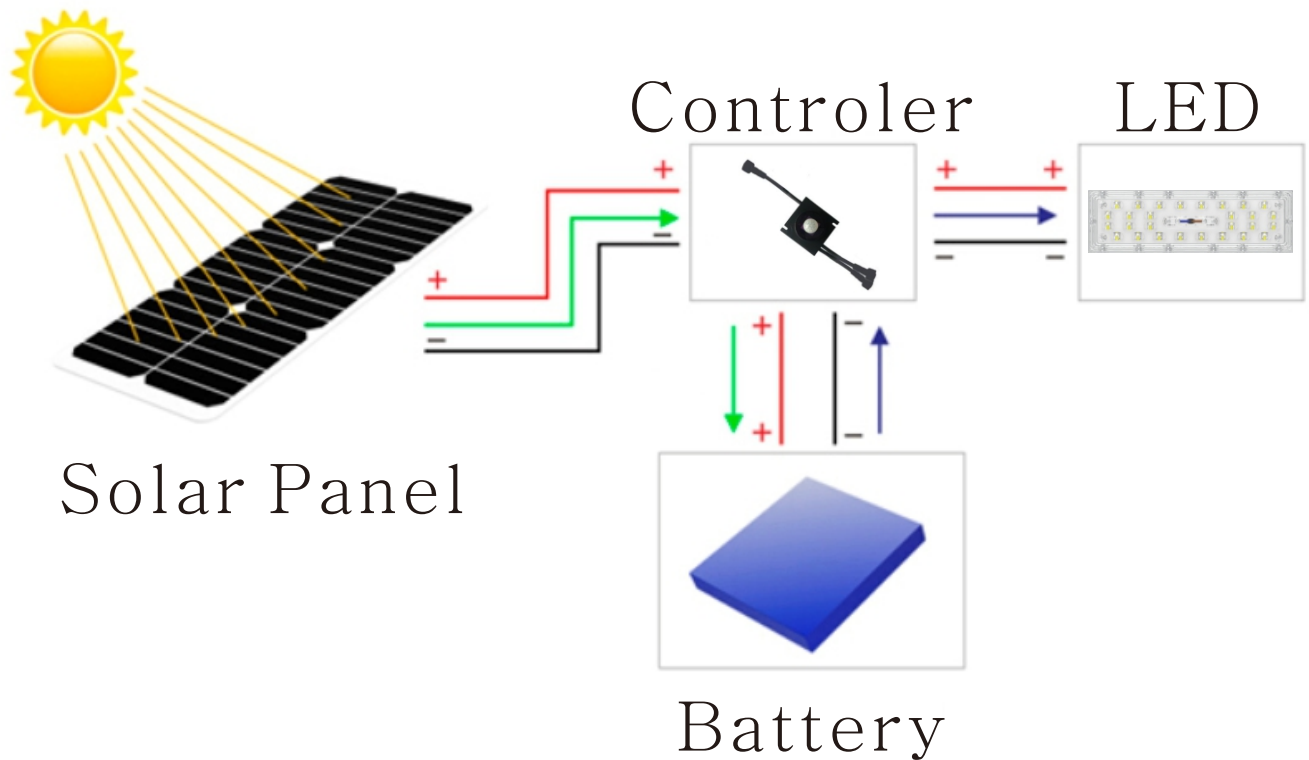
SHINE SH14 series Solar LED street light will provide the best lumen output, the best stability and very long lifetime. Provide over 5 years warranty for whole fixture.



Colour

■ Silver (other colors can be customized)

Working Principle



Feature

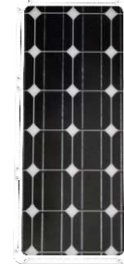
- Flexible selection of high lumen and high luminous flux, customized the best solution of luminaire according to local sunshine.
- Integrated design, easy installation, each component can be easily replaced and maintained, saving cost.
- The intelligent controller matches the PIR infrared or intelligent microwave sensor to ensure the effective lighting time of the lamp.
- Adopting high efficiency monocrystalline silicon and conversion rate of 19.8% solar panels, grade A1 26650 battery cells excellent Lithium iron phosphate battery.
- Using special plug connector, color design Fool-proofing, with anti-wrong connection function.
- Adopting adjustable mounted arm, can be adjusted in many angles, suitable for installation requirements of different latitude regions and different type poles.
- Professional waterproof design, protection grade IP66.
- Wind resistance rating 65m/s.

LED Source



Provide excellent lumen output, the best stability and excellent visual perception.
(Cree, Nichia, Osram & etc. is optional)

Solar Panel

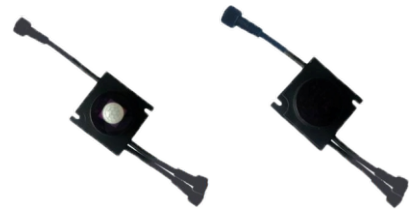


Monocrystalline solar panels,
Stable photoelectric conversion efficiency,
Advanced diffuse technology, which can ensure the uniformity of conversion efficiency.

LiFePO₄ Battery

Excellent performance
High capacity
More safety,
Withstand high temperatures 60°C
Long lifespan, more than 2000 cycles.

MPPT Controller



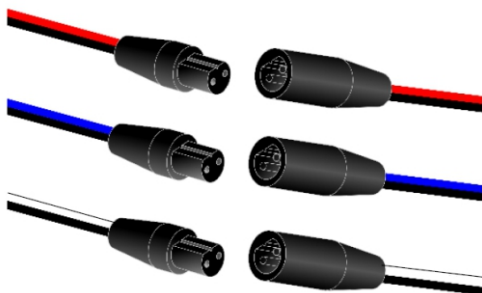
PIR

Microwave

Enable controller to track maximum charge efficiency.
Micro current charging function
Two options for PIR and Microwave Sensor

Plug-in Design

All the wires of the whole lamp are male and female plug-in connectors. The color is designed to be waterproof and has the functions of preventing errors.

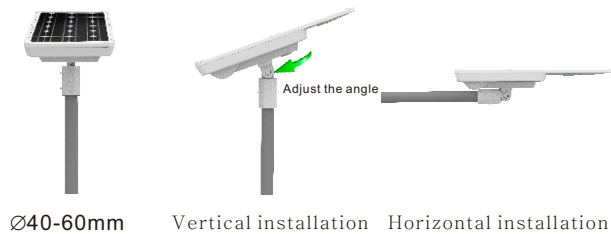


IP66 Protection



Waterproof apron

Installation

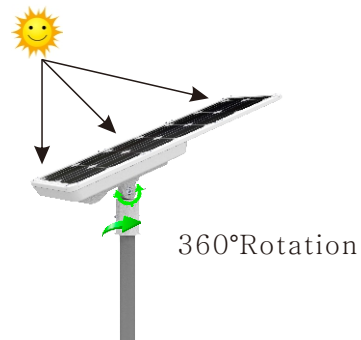


Ø40-60mm

Vertical installation

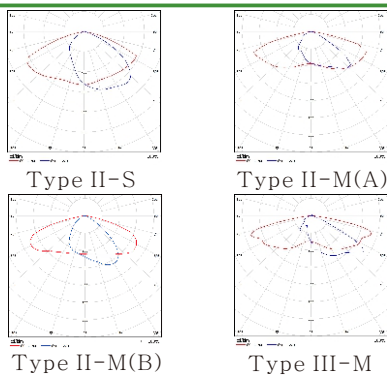
Horizontal installation

Adjusted Angle



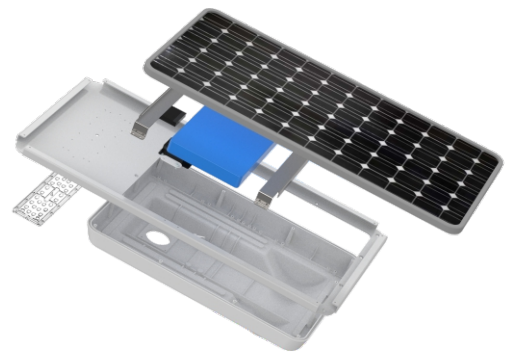
The installation angle can be adjusted to make the solar panels face the sun and improve the charging efficiency to the greatest extent.

Multiple Lenses



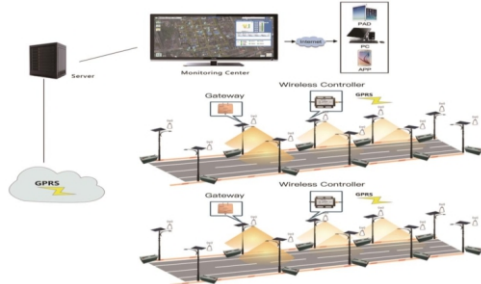
Optical options are available to meet the lighting needs of customers on different roads, parking lots, squares, parks, etc.

Convenient Maintenance



All components can be easily replaced.

Networking Control



Real time monitoring of solar panels, battery and lamp working conditions

Sensor Control System

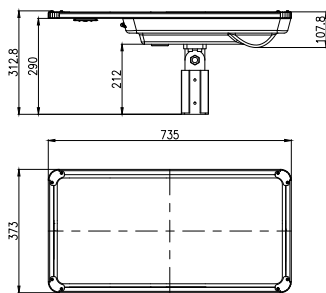
	Daylight	Nobody under the light at night	Somebody under the light at night
When the illumination is less than 10lux, it begins to work.	Induction time	Somebody under the light	Nobody under the light
	2H	100%	30%
	3H	50%	20%
	6H	20%	10%
	1H	30%	10%
Daylight	Automatic closing		

It can be set according to the requirements of customers.

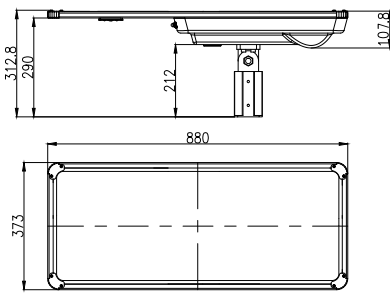
Product Parameters

ITEM	SH1401	SH1402	SH1403
Solar Panel Parameters	Monocrystalline 18V 40W	Monocrystalline 18V 50W	Monocrystalline 18V 60W
Battery Parameters	LiFePO4 12.8V 18AH	LiFePO4 12.8V 24AH	LiFePO4 12.8V 27AH
System Voltage	12V	12V	12V
LED Brand	Lumileds	Lumileds	Lumileds
Light Distribution	II-S,II-M,III-M	II-S,II-M,III-M	II-S,II-M,III-M
CCT	2200K~6500K	2200K~6500K	2200K~6500K
Charge Time	6 Hours	6 Hours	6 Hours
Working Time	2-3 Days (Auto Control)	2-3 Days(Auto Control)	2-3 Days(Auto Control)
Protection Grade	IP66,IK09	IP66,IK09	IP66,IK09
Luminous Efficiency	170Lm/W	170Lm/W	170Lm/W
Operating Temperature	-20℃ to 60℃	-20℃ to 60℃	-20℃ to 60℃
Warranty	5 Years	5 Years	5 Years
Material	Aluminum	Aluminum	Aluminum
Luminous Flux	5100 lm	6800 lm	8500 lm
Nominal Power	30W	40W	50W
As The Market Similar Solar Light Power	40W	50W-60W	60W-70W

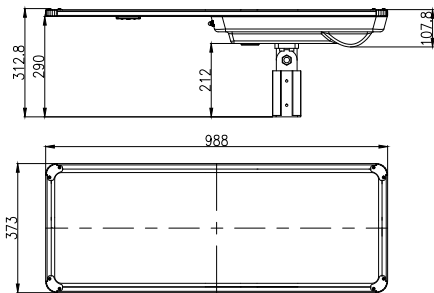
Size Data



SH1401



SH1402

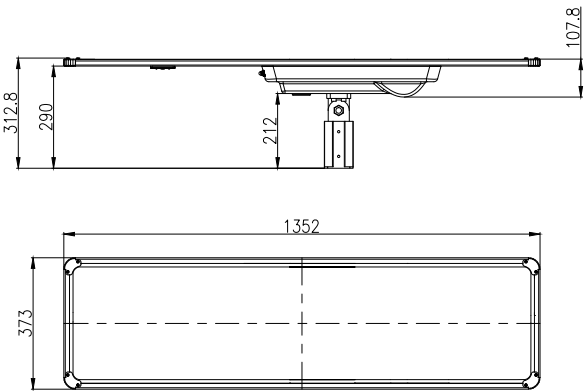


SH1403

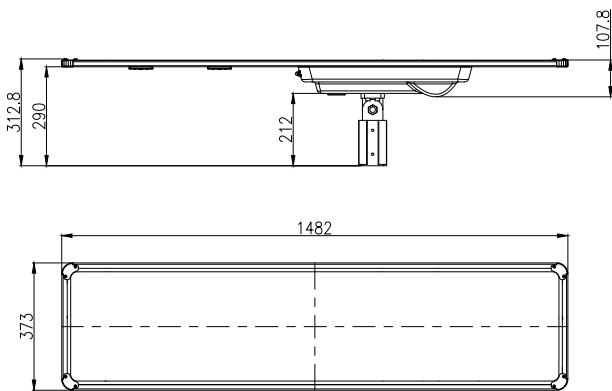
Product Parameters

ITEM	SH1404	SH1405
Solar Panel Parameters	Monocrystalline 18V 80W	Monocrystalline 18V 100W
Battery Parameters	LiFePO4 12.8V 33AH	LiFePO4 12.8V 42AH
System Voltage	12V	12V
LED Brand	Lumileds	Lumileds
Light Distribution	II-S,II-M,III-M	II-S,II-M,III-M
CCT	2200K~6500K	2200K~6500K
Charge Time	6 Hours	6 Hours
Working Time	2-3 Days (Auto Control)	2-3 Days(Auto Control)
Protection Grade	IP65,IK09	IP65,IK09
Luminous Efficiency	170Lm/W	170Lm/W
Operating Temperature	-20℃ to 60℃	-20℃ to 60℃
Warranty	5 Years	5 Years
Material	Aluminum	Aluminum
Luminous Flux	10000 lm	13600 lm
Nominal Power	60W	80W
As The Market Similar Solar Light Power	80W	100W

Size Data



SH1404



SH1405

Practical Application

