

Solar LED Street Light - S Series

4000LM/5000LM/6000LM/8000LM/10000LM/12000LM



IK09

IP66

HEADIAL

S Series integrated solar street lamp use imported high-efficiency monocrystalline silicon solar panel , smart MPPT controller, deep cycle lithium battery, high-efficiency led chip, all in one box Integrated design, easy to install and use, have Microwave induction and RGB flashlight design, multi-function lighting.



Features

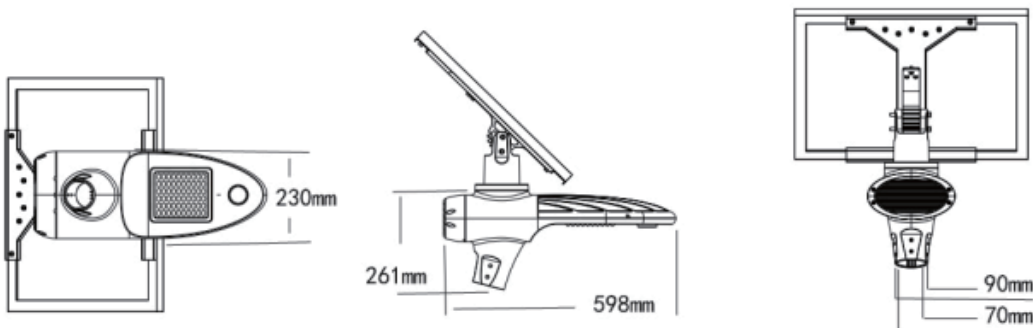
1. High-end design appearance, atmosphere, the whole lamp adopts high-pressure die-cast aluminum alloy Impact resistance, high temperature resistance, surface imitation marble painting process, corrosion resistance.
2. Solar panels can be adjusted 180° to suit various application area.
3. Intelligent sensor technology, microwave radar sensor, according to the moving object to adjust the brightness of the lamp, more energy-saving.
4. Intelligent power adjustment, automatic judgment according to weather change.
5. Smart remote control, With UVA(unmanned aerial vehicle) remote control, remote control long distance(30meters), bring high corrosion resistance, 4 lighting modes can be set.
6. Intelligent charge and discharge management, Charge-discharge dual protection and intelligent equalization technology, Cycle times more than 2000 times
7. Multi-function lighting modes, tail RGB flashlight design, flashing in multiple colors.

Application

1. Street Lighting, Road Lighting, Roadway Lighting
2. Outdoor Area Lighting, High Mast Lighting
3. Park, schools, square, Parking lots



Dimension (Unit: mm)



Technical Specification

A: Technical Parameter


Model	HE-S-4000lm	HE-S-5000lm	HE-S-6000lm	HE-S-8000lm	HE-S-10000lm	HE-S-12000lm
Lumen	4000lm	5000lm	6000lm	8000lm	10000lm	12000lm
Solar Panel	18V50W	18V65W	18V100W	18V100W	18V130W	18V170W
Mount Height	4-6m	5-7m	6-8m	7-9m	8-10m	9-12m
Mount Space	10-20m	15-25m	20-30m	20-30m	25-35m	30-40m
Battery	24AH 11.1V	28AH 11.1V	36AH 11.1V	42AH 11.1V	50AH 11.1V	62.4AH 11.1V
Dimension(Lamp)	598*230*261mm	598*230*261mm	598*230*261mm	598*230*261mm	598*230*261mm	598*230*261mm
LED Source(Bridgelux)	3030 SMD	3030 SMD	3030 SMD	5050 SMD	5050 SMD	5050 SMD
Cloudy/Rainy days	3-5Cloudy/Rainy days					
Solar Charging Time	6-10 hours by bright sunlight					
Motion sensor	Yes					
Beam Angle	145° x 70°					
IP Rating	IP65					
CCT	CCT					
Install Pole diameter	Φ60-Φ65mm					
Lighting Mode	Dusk to dawn + Time controll + motion sensor (Bright lighting 30secs when people move through the light)					
Material	High Class Aluminum					

B: Environmental

Temperature Range Operating	-20℃ to 50℃
Humidity Range Operating	10% to 80%
Temperature Range Storage	-40℃ to 65℃
Humidity Range Storage	10% to 80%

Remote Controller



-  No matter day or night, light "OFF"
-  No matter day or night, light "on" for 1 minute.
-  At night, 12hrs full power.
-  At night, 4hrs full power+8hrs 30%
-  At night, 4hrs full power+8hrs motion sensor control.
-  At night, 12hrs motion sensor control.

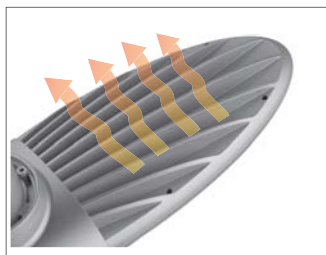


6 colors decorative taillight shift by turn

Components Features



Solar Panel angle 270° adjustable



FIN Design for Better Heat Dissipation



Replace battery from tail, no need open whole lamp, save time/cost

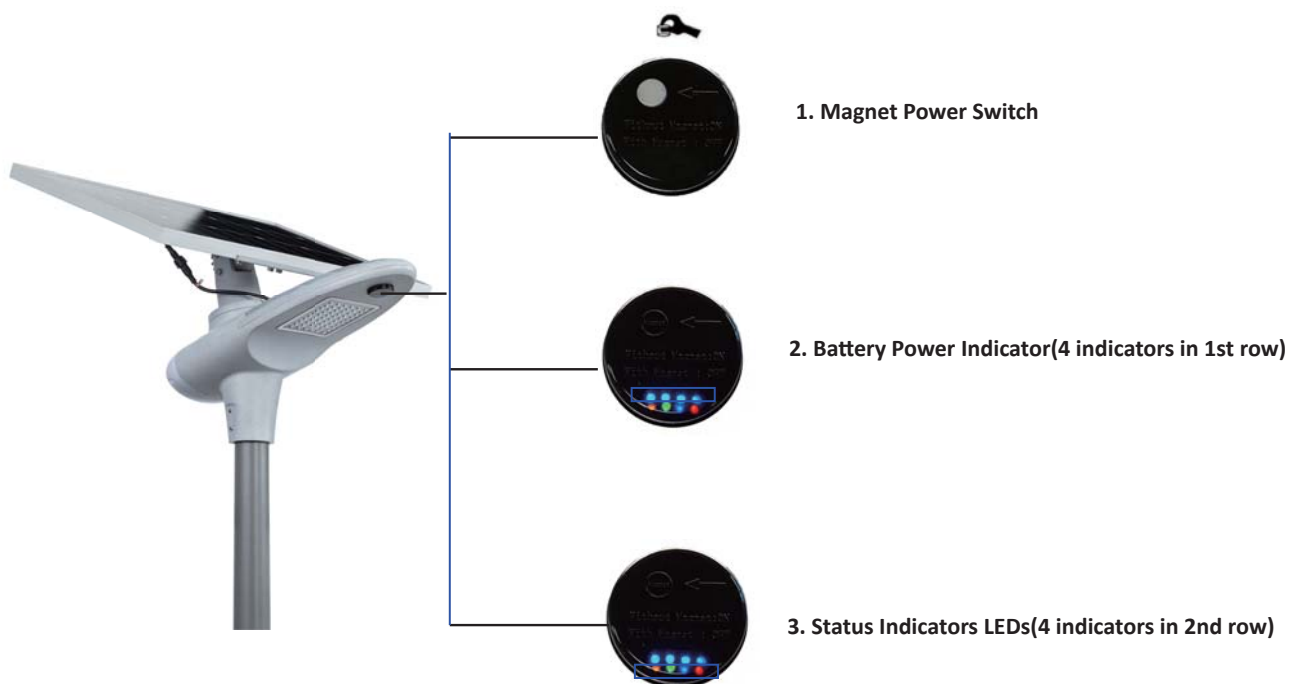
Intelligent microwave induction

The 3rd generation microwave induction with latest microwave induction technology. Solved the technical problem that traditional microwave induction is easily disturbed, Sensing distance up to 30 meters, Two to three times that of traditional infrared sensors, Guarantee the effective lighting of street lamps, environmental and energy saving.



Intelligent Indicators

(For more indicators and solar controller information, please contact sales engineer)

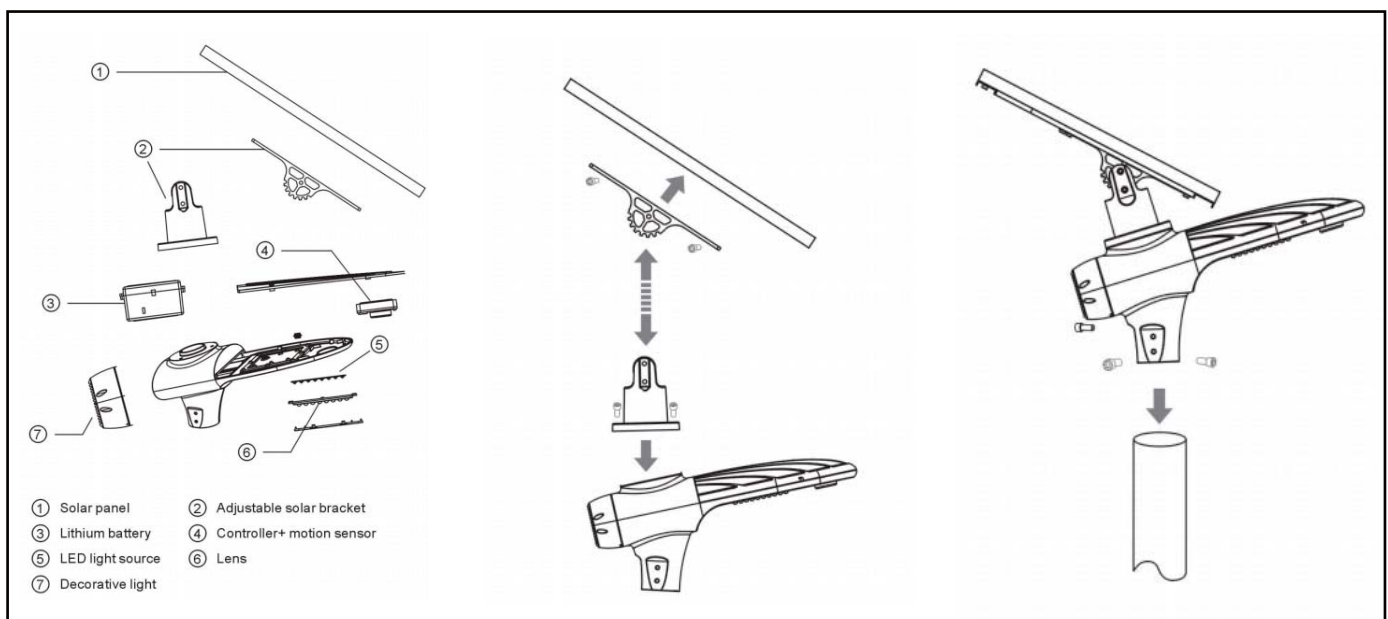


Packing

Item	HE-S-4000LM	HE-S-5000LM	HE-S-6000LM
Carton Size(Lamp)/ 1PC	690*340*300 mm	690*340*300mm	690*340*300mm
G.W.(Lamp) / 1PC	12kg	13kg	14.5kg
Carton Size(Solar Panel) / PC	750*580*70 mm	820*580*70mm	1090*580*70mm
G.W.(Solar Panel) / 1PC	6.3kg	7.2kg	10kg

Item	HE-S-8000LM	HE-S-10000LM	HE-S-12000LM
Carton Size(Lamp)/ 1PC	690*340*300mm	690*340*300 mm	690*340*300 mm
G.W.(Lamp) / 1PC	15kg	16.1kg	17.5kg
Carton Size(Solar Panel) / PC	1290*580*70mm	1540*580*70mm	1830*580*70mm
G.W.(Solar Panel) / 1PC	13kg	17.5kg	22kg

Installation (More Steps in User Manual)



Compliance and Standards

1. Insulation Resistance

The IR shall be at least 50MΩ when apply 500Vdc between primary and secondary

2. Dielectric Strength (Hi -pot)

Input To Output 3750Vac 60Hz 1minute ≤3MA

When AC voltage of 3.75KV is applied, and the voltage applied to the insulation under test is gradually raised from zero to the prescribed voltage in 1s, and held at that value for 60s between the inputs. and output and between the input and housing, the current sensitivity shall be less than 5mA. After this test, the adapter shall exhibit no electrical and mechanical abnormalities.

3. Leakage Current

The leakage current shall be less than 0.25m A for class II when power supply is operated maximum input voltage and maximum load.

4. Safety Standard

34A-1501NP IEC:60598-1:2008 IEC61347-1/A1:2010 IEC61347-2-13:2006 IEC62031:2008
IEC62471:2006 IEC62471-2:2009: Passed
EN60598-1/A11:2009 EN61347-2-13:2006 EN61347-1/A1:2011 EN62031:2008 EN62471
EN61195:1999 EN62493:2010: Passed

5. EMI/EMS Standard

EN55015:Passed

EN61000-3-2:Passed

EN61000-4-2:Passed