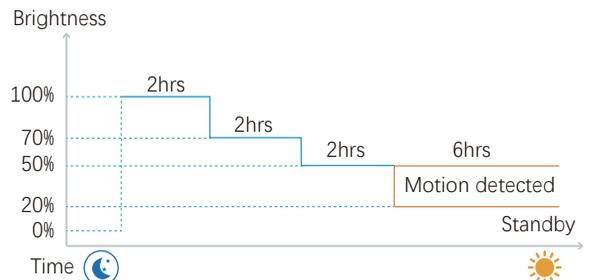


► Working mode & ON OFF time

The light turn on at dusk with a pre-programmed setting function and work continues till dawn, The ON and OFF functions are controlled automatically by the built-in charge controller with light-sensitive timings.

At sunset NTVV (Night Time Threshold Voltage) goes less than 5 volts from the solar panel, the lights will turn ON. In the morning the DTTV (Day Time Threshold Voltage) from the panel reaches 5 volts the lights will turn OFF.



Time+Microwave control

You can also use the remote control to change the different lighting modes required.

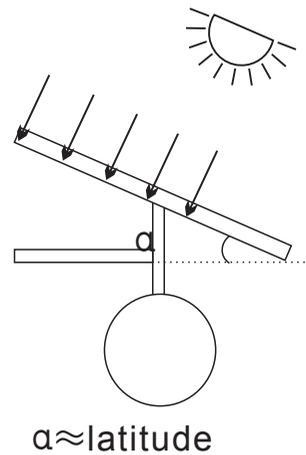


► 4 workig modes on remoter

- ▶ Test button (light "on" for 1 mintue).
- Ⓛ On/Off button (press the button turn on the light, press again turn off the light, no matter day or night).
- 🌙 **L** : 100%-1hr, 70%-3hrs, 20% till dawn.
- 🕒 **T**: 100%-2hrs, 70%-2hrs, 50%-2hrs.
- 😊 **U**: 100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away.
- 😊 **M**: 100% if people come close, 30% far away.

► Using Instructions:

- ❶ Clean surface of solar panel regular such as dirty leaves, oil, ect, ensure high photoelectric conversion efficiency.
- ❷ Set suitable angle towards sun. (≈local latitude).
- ❸ Please avoid solar panel being shielded by buildings, trees, antenna mast or other obstructions, otherwise it will reduce working efficiency of solar panel, resulting in lower system efficiency.
- ❹ Recharge battery every 3 month at least if it is idled.
- ❺ Charge temperature of Lithium battery is from 0°C to 55°C, the discharging temperature is from -20°C to 60 °C, make sure that ambient temperature is in this range when used, avoid damage to lithium battery.
- ❻ Clean snow on solar panel surface timely in winter.



Solar Garden Light User Manual
With remote controller

Smart Solar Garden Lamp



E-mail: info@heisolar.com Website: www.heisolar.com

Address: F4, 6th Building, Hengguangyao Industrial Park, Yonghe Road, Heping Village, Fuyong Street, Bao'an District, Shenzhen City, Guangdong Province, China.

► Packing List

When receiving the goods, please check the package containing the following goods:

NO.	Parts name	qty	images
1	solar panel	1pc	
2	Lamp shade	1pc	
3	Led head	1pc	
4	Accessory box	1set	
5	User Manual	1pc	
6	Anchor ear	2pc	
7	Spanner	1pc	

► Installation Diagram



Step 1:
Connecting the cables



Step 2:
Fixing the solar panels and brackets



Step 3:
Fixing the solar panel, adjust angle on the vertical for 270°

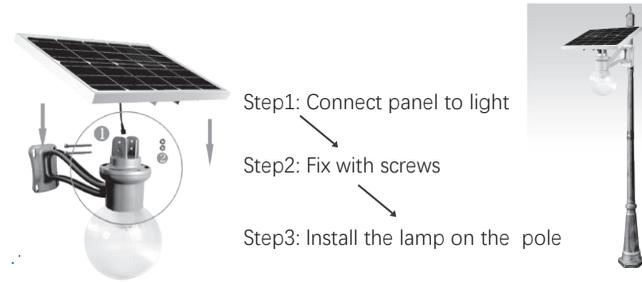


Step 4:
Adjusting angle on the horizontal for 360°

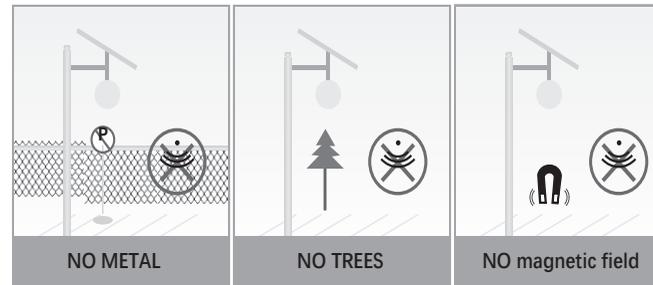


Step 5:
Using 2 pcs anchor ear mount on pole (for pole)

► Easily Installation



► Introduction Of Microwave Sensor



What is microwave sensor?

- 1 Microwave sensor works by emitting high frequency electric wave to detect objects movement, such cases above may result in not working well.

Why choose Microwave for outdoor lighting?

- 1 It can get through glass,wood,plastic and other non-metallic object so it can be installed inside and there is no influence to lamp's appearance.
- 2 It won't be influenced by airflow, dust, temperature, humidity like PIR.

What should be noticed when use microwave sensor?

- 1 Microwave has been improved a lot compared to PIR, but is still not perfect.
- 2 It may be influenced by metallic things and it's very sensitive to some extension, may detect other objects' movement such as leaves' movement.

The wrong working situations as below:

- 1 Light flickers un-regularly.
- 2 The lamp too sensitive, so it always at 100% light, then battery can't last long.
- 3 Sensor not work, not light when people come close.

In a word, sensor is good but it has its limitation. When installation place it can't be changed, better change mode to non sensor one (L or T).

► How to check if your solar street light is working properly?

- 1 After installation completed, the lamp will be lighting automatically, and turn off automatically after one minute, prove that the lamp body is working properly.
- 2 During the day, you can see the green indicator light on the microwave probe flashes, indicating that the solar panel is charging the lamp, and the lamp will automatically light up at night.
- 3 During the day, you can see the red indicator light on the microwave probe flashing, indicating that the battery is losing power. Please let the solar panel charge the lamp body in the sunlight for 5-6 hours until the indicator light on the microwave probe flashes green, the battery has electricity, and the night light The body will automatically light up.