背面

Working principle　　工作原理

1. Put the light under direct sun at daytime for charging into battery. It can get more electricity saved with longer charging。

2. Light works automatically at night。

3. Light will be stronger if caught by PIR motion sensor。

4. Light will be into standby mode if people are away from motion sensor for 10 seconds and it will be off for charging automatically at daytime。

5.Human body induction function, when people go through the sensoring area, the light will be strong。

6.人体感应功能：有人到达感应范围内时灯光强亮。

7.It will be on standby when people leave the induction area for about 10seconds It will automatically shutdown the circuit and charge during the daytime
离开感应范围10秒后恢复待机状态天亮后自动关闭电路进行充电。

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注意事项

1.第一次使用时，请将产品放在太阳下充电，充电数小时后再进行使用。

2.产品长时间不使用时请取出电池，并每隔3个月给电池充一次电，以保证电池不会长时间亏损坏，或者每个月给灯具充一次电。

3.当灯光闪烁时，代表电池电量不足，需要充电方可正常使用。

4.实际太阳能电池板充电效果取决于光照时长与天气情况，阳光越强充电越快，光照时间越长充电越多，阴雨天充电效果减弱，亮灯时间缩短

Precautions

1. Please put the light under sun for charging several hours when it is used for 1st time。

2. Please take off battery if the light is not used for long time and get it charged for every 1–3 month in case any damage to battery。

3. The light needs to be charged when it is blinking。

4. The charging effect to solar panel is based on charging time and weather. Stronger sun means faster and more charged. It will be slowly charged in clouded and rainy day。

5.The solar panels charge up time will be affected by the length of sun light and weather conditions.The length of sunlight, the faster charging time.Charge less effectively in rainy days, so the lighting operation time is shorter。

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太阳能灯使用须知

1.太阳能照明产品的基本原理都是一样；利用太阳能板吸收光能，通过光电转换效应产生电能，然后用这个电能给蓄电池充电，再利用蓄电池的电能驱动led发光。

2.当无光线的时候太阳能板就是无电压输出，电路一旦检测到无电压输出时就启动电池电路使led发光，这就是常说的光控功能。

3.太阳能充电效果取决于光线的强度和日照的时间，太阳能板被照射的光线越强输出的功率越大，照射的时间越久充电的电能越多，因此，一定要把太阳能灯安装在阳光直射且日照时间长的地方，常年发挥产品的理想效果。

4.装高度和感应距离；如图：

图1所示：灯罩角度呈45度，灯光和感应头方向往外扩展，灯光照射面积更大，感应效果与安装高度影响不大，适合安装的高度2–3.5米；图2所示，灯光会让感应范围往下扩散，适合安装的高度为3.5–5米，安装越高照射面积越大或感应范围越大。两者的区别是：图1的安装高度对照射面积和感应面积影响不大，图2的安装高度要求很高，如果安装的地方不高，建议使用图1类似的产品；如果安装的地方很高，则建议使用图2类似的产品。

5.产品出厂前的电量很少，待机有静态功耗，使用前请先充电一天；

6.请将太阳能板盖在桌面上再进行测试，如果检测到太阳能板有光线，led驱动电路会自动关闭；

7.灯光闪烁时表示电量不足，需充电才能恢复正常；

8.冬天或者阳光不足或者光照时间短的地方，建议使用感应不带微光模式；

9.所以场所不建议使用常亮模式只应用于特殊情况；

10.储存不使用时，请记住每个月需要给灯充电一次，以防止电池亏电而损坏。

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Solar motion light user note:

1.The basic principle of solar lighting products are the same: using the solar panel to absorb light energy, producing electrical energy by photovoltaic effect, the charge the storage battery, the electrical energy in the battery drive led light。

2.When there is no light, the solar panel without voltage output, once the circuit detects no voltage input, then automatically star up circuit cause the led illuminate, this used to say the light control function。

3.The solar charge effect will be effected by the intensity of light and the intensity of light and the duration of sunshine. The stronger of the solar panels by the output power will greater. In the same way, the longer of sunlight, will produce more energy。Please install the soar motion light in the place where have direct sunlight and long sunshine duration, then will give play to the ideal effect of the product。

4.Lnstallation height and sensing distance, the pictures as below shown in figure, the lampshade with angle 45 the light and sensing direction exeend outwaedm the larger of light irradiation area. Sensor height have little little effect, the suitable height of installation is 2–3.5m; shown in figure, light and induction is 3.5–5m, the higher installation , the lager f light irradiation aarea of the induction range. the difference between the two is : figure, theinstallation height has little effect of the irradiation area the induction range. figure has a high request for installation height, if the installation height is not higher, suggest using the similar of figure product whereas suggest using the similar of figure product。

5.The product have little power before they go out, standby static power, please charge for a day before use。

6.Please cover the solar panels on the desktop and then to test, if it detects solar panels have light, led drive circuit will automatically shut down。

7.The light is flashing indicates low battery need to charge in order to restore to normal。

8.Winter or the sunshine is not enough or the place with short sunshine duration, it is recommended to use the motion sensors+soft light mode.

9.All places is not recommended for use continue light on mode, this mode, applies only to special cases。

10.Storage when not in use, please remember the light need to charge for a day every month, to prevent damage to the power loss of battery。

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正面

SOLAR MOTION SENSOR LIGHT
USER MANUL
太阳能人体感应灯
使用说明书

SOLAR MOTION SENSOR LIGHT
USER MANUL

① Solar panel
② LED chip
③ Motion sensor
④ Function switch

### 规格参数

产品名称：人体感应太阳能灯
产品型号：ZJ–DC–38
太阳能板功率：5.5v 1.2w多晶硅太阳能板 转化率18%
蓄电池：锂电池3.7v 1500mAh
输出功率：3.2v3w
LED:.02w 60mA/28LM/SMD2835*38PSC
光通量：500lm
PIR感应角度：120度
感应距离：感应角度范围内3–5M
按键功能：每按一次按键更换一种模式，依次循环
1.长按1秒钟开机进入第一种模式：人体感应+不亮模式
模式特点：无人时灯+微亮模式.
2.第二种模式：人体感应模式
模式特点：无人时灯不亮，来人是灯强亮
3.第三种模式：常亮模式
模式特点：天黑自动亮灯，5小时后自动关机
4.再按一次进入关机状态
感应后灯延迟10秒，如果感应模式延迟时间未结束是再次感应，计时将重新开始
光控功能：太阳能板有光线是电路停止工作，按键无作用；太阳能板无光线是电路开始工作

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感应模式工作电流：3.8v 400Ma
微量模式工作电流：3.8v 60mA
常亮模式工作电流：3.8v 40mA
充电时间：阳光下8小时

防水等级：IP65
Specifications:
1. Product name: Solar motion sensor light
2. Model: ZJ–DC–38
3. Solar panel power: 5.5V, 1.2W efficiency 18%
4. Battery: 3.7V 1500mAh
5. Output power: 3.2V3W
6. LED: SMD2835*38PCS
7. Lumen: 500LM
8. Sensor angle: 120 degree
9. Sensor distance: 3–5M
10. Button functions: push one time for one mode with recycling
1) People sensor+no light mode: long push function button for 1 second。
2) PIR people sensor mode: light off without people sensed, light 100% on with people sensed。
3) Light always on mode: light on automatically at night, light off after 5 hrs automatically。
4) Light off mode: push button again for luminare off totally. The light will be off after 10 seconds if something is sensed。
5) Light control function: button doesn't work if solar panel is under sun as the circuits stop to work. Otherwise, it works。
11. Working current: 3.8V/400ma under sensor mode。
12. Working current: 3.8V/60ma under weak light mode。
13. Working current: 3.8V/40ma under always on mode。
14. Charging time: 8 hrs under direct sun。
15. Protection level: IP65。

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Assembly instructions 安装使用说明
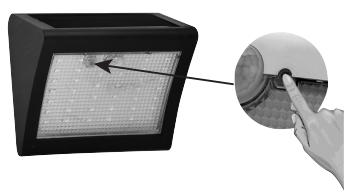
太阳能帮有光线时电路停止工作，按键无作用；
太阳能板无光线时电路开始工作
Solar panels will turn off, when is light. The button key has no effect; the solar panel circuit only operates when there is no light
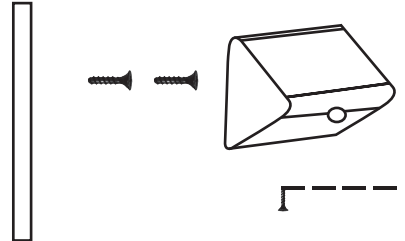
Installation instruction

The function button doesn't work if solar panel is under sun for charging. Otherwise, it works。

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