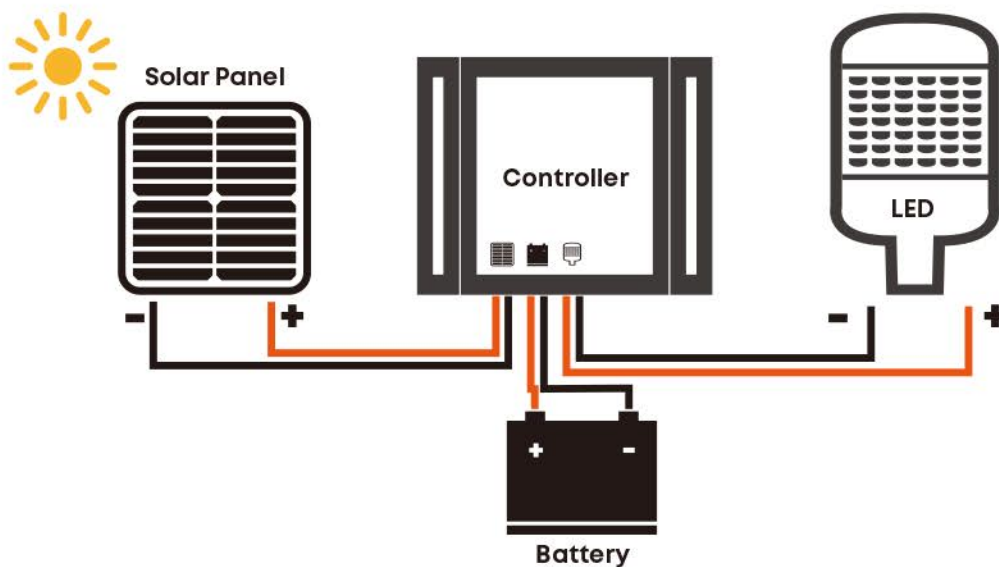


# Solar Street Light Installation Guide

## Before Installation

This procedure is designed as an installation aid. Skilled tradespeople that are familiar with general construction and electrical installation techniques should perform the installation. Licensed electricians should provide electrical installation connections. Installations and connections should be done in accordance with all national and local codes and permits. In no way is this document intended to construe warranty or fitness of use of the products described, nor is it intended to provide safety instruction for those installing the product.

## - Working Way



The solar panel receives solar radiation energy and converts it into electricity, which is stored in the battery by the photovoltaic controller. At night, when the illumination gradually decreases to about 10LUX and the solar panel voltage is 5V, the charge and discharge controller detects this voltage value, and controls the battery to discharge for the LEDs to complete the process of daytime charging and evening discharge.

## - Packing List

- Instruction Guide \*1;
- LED Fixture \*1;
- Bracket \*1;
- Remote Controller \*1 (Some product models are included);

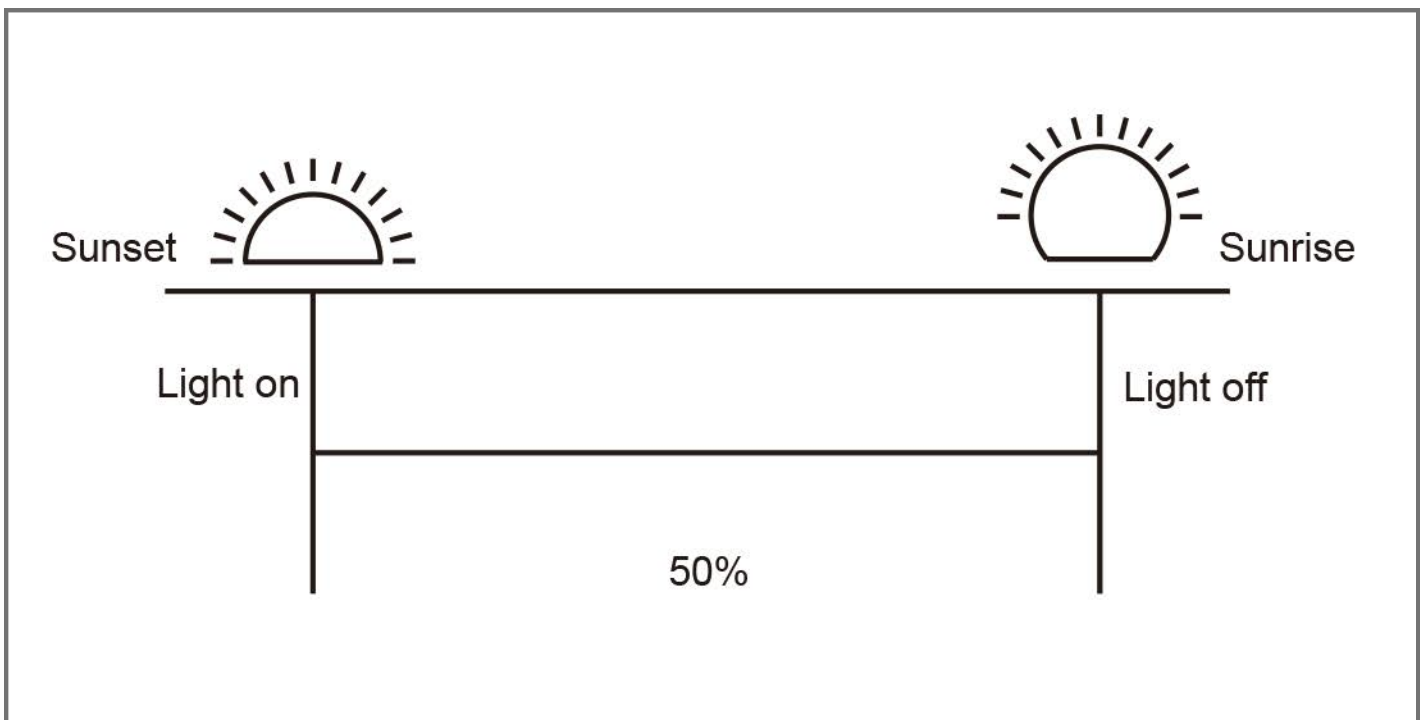
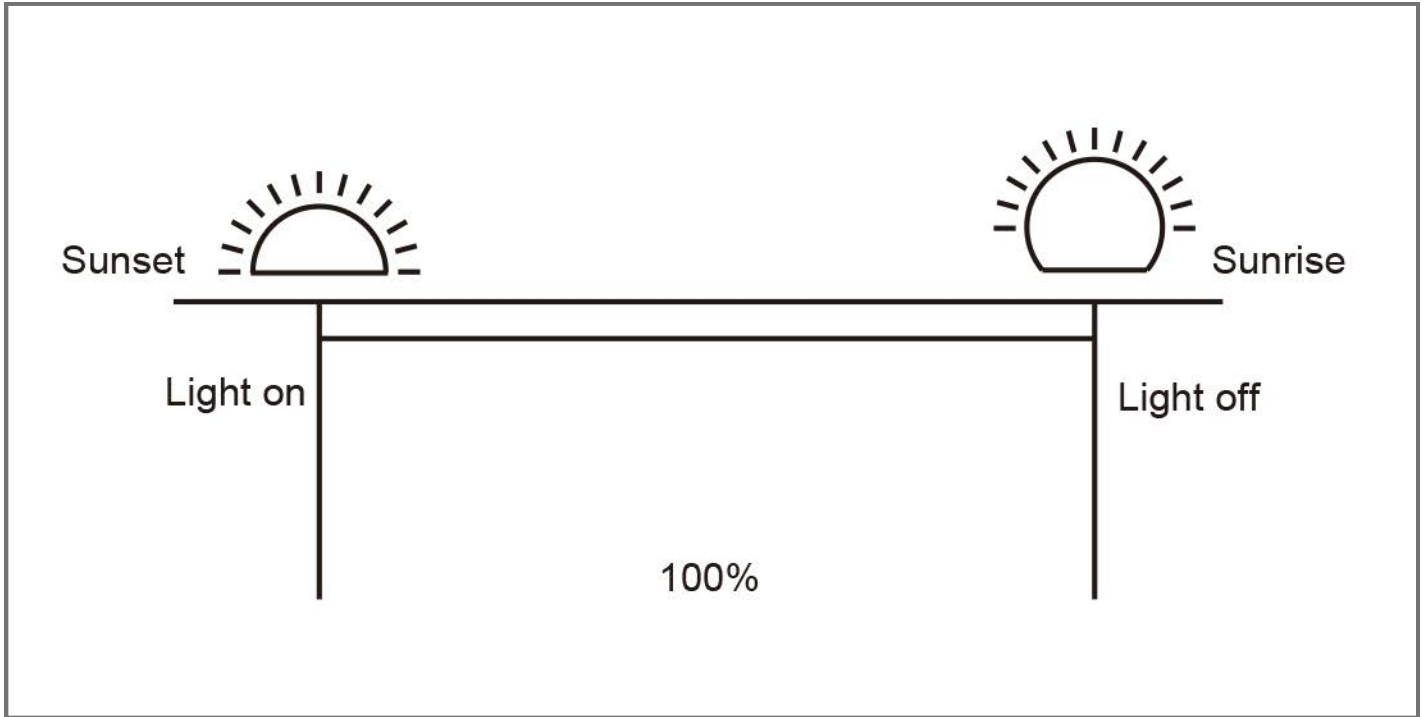
## - Test Before Installation

1. Open the package and check that there' s no damage on the package and the accessories are complete.
2. Open the power switch to test the charge and discharge function;

# Solar Street Light Installation Guide

## - Operating Mode

- 1) 6H- 100%;
- 2) 6H- 50%;
- 3) Customizable;



## - Installation Procedure

Step 1: Fix the battery box correspondingly to the hole on the solar panel and fix it with mounting screw M8\*45 plus flat pad and spring pad.

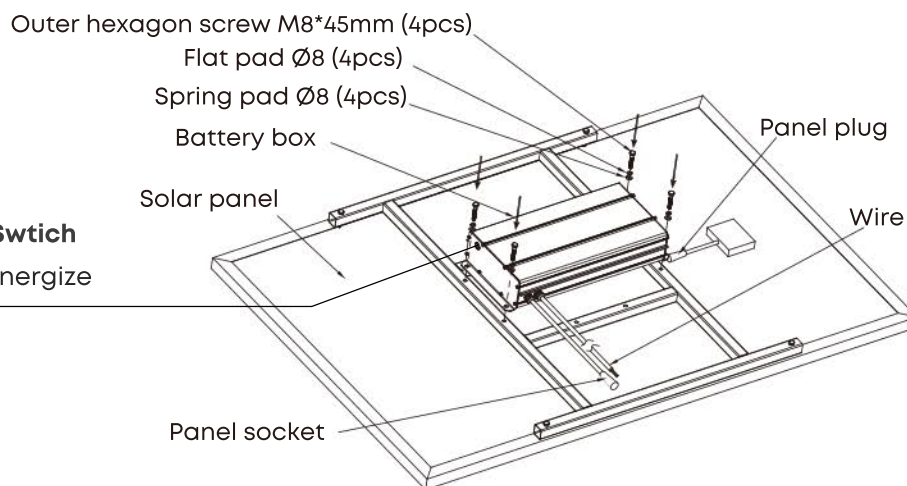


**ON/OFF Switch**

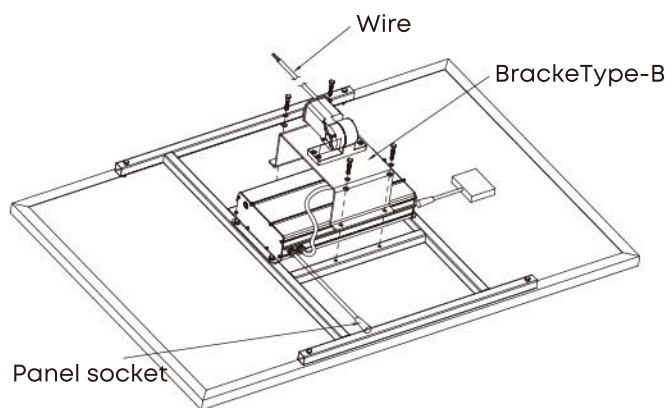
Press the switch to energize



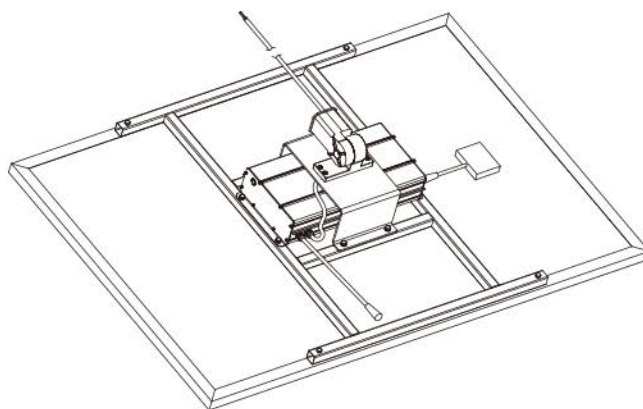
Flush is disconnect



Step 2: Fix the bracket type-B correspondingly to the hole on the solar panel support with mounting screw M8\*45 plus flat pad and spring pad.



Step 3: Finish solar panel and battery box kit assembling.

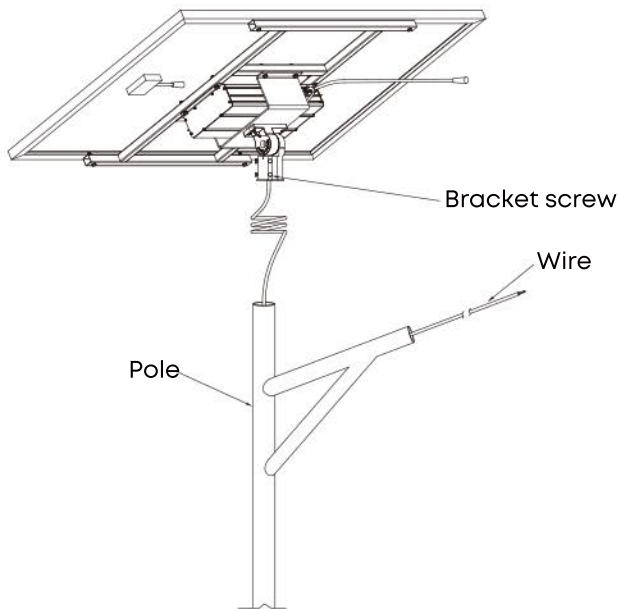


### Caution:

1. Turn the power off during installation. Do not connect or disconnect under load.
2. Caution risk of fire.
3. Please do not put this product into municipal waste, check the local regulations to deal with the electronic products.

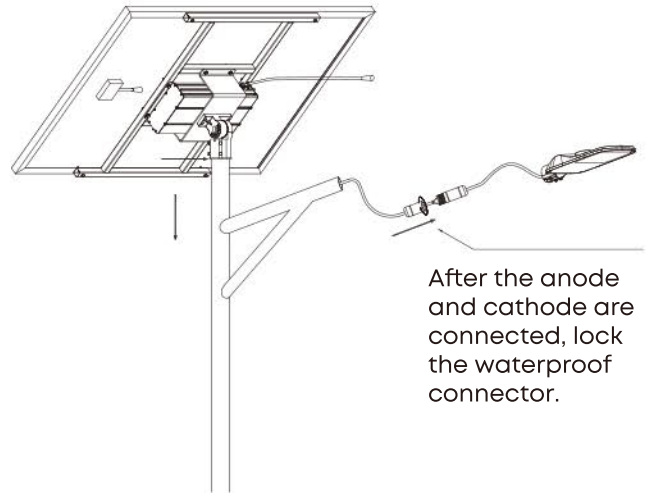
## - Installation Procedure

Step 4: Hold the assembled solar panel and battery box kit, then pass the wire through the pole, as shown in the upper picture:



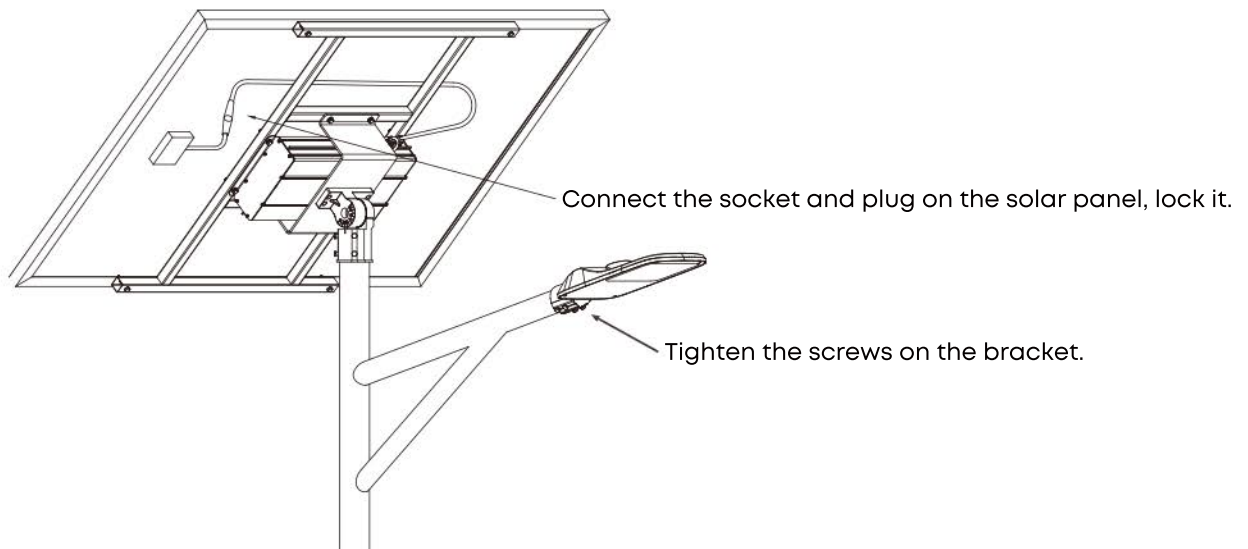
Step 5:

1) Fix the solar panel and battery box kit on the pole, then tighten the screw on the panel bracket.  
2) Connect the positive and negative stages of the fixture, then slide the fixture into the side pole. Tighten the screw on the bracket of the fixture.



Step 6:

1) Make sure the screw on the bracket of the fixture is tightened.  
2) Connect the socket and plug on the solar panel and lock. The installation is finished.



Caution:

1. Turn the power off during installation. Do not connect or disconnect under load.
2. Caution risk of fire.
3. Please do not put this product into municipal waste, check the local regulations to deal with the electronic products.

## - Indicator Status

Indicator	Status	Indicator Description
• Blue Light (Battery)	- Steady on - Off - Flash	- Battery works properly - Battery has no output voltage; - Battery is undervoltage;
• Red Light (Battery)	- Steady on - Off  - Flash - Slow flash	- Battery is fully charged; - Solar panel output voltage is lower than light control voltage (at night); - In charging; - During charging, start protection (flash once every 5 seconds) due to high or low temperature;
• Green Light (Load)	- Steady on - Off - Flash  - Slow flash	- Load is turned on; - Load is turned off; - Load output open circuited protection, short circuited protection, over current, over power protection; - During discharge, start protection due to high or low temperature (flash once every 5 seconds);
• Yellow Light (Sensor)	- Steady on	- Sense that someone is moving or objects are moving (the controller with the sensor has this light);
• Blue/Green/Red Light	- Keep turns	- BAT protection is on. The system is restarting the battery protection board. - The system cannot find the battery. There is no communication in the battery. It may be reverse connection, negative and positive poles are not properly connected, or there is something wrong with the battery.

Indicator	Status	Indicator Description	Remote Control System Status
• PV indicator	- Steady on - Off  - Double flash - Slow flash - Quick flash	- Solar panel voltage is higher than light control voltage; - Solar panel voltage is lower than light control voltage; - Fully charged; - In charging; - BMS protection or BAT overvoltage or Pv overvoltage; - Over temperature (ambient temperature) or power/current limited charging;	- Idle - Idle - Fully charged - Charging - E-BMS Battery overvoltage  - PV panel overvoltage - Over temperature/Overcurrent
• BAT indicator	- Steady on - Off  - Quick flash	- Battery works properly; - Battery is not connected or lithium battery protection board over discharge protection; - Battery over-discharge;	- Idle - - Over discharge
• LOAD indicator	- Steady on - Off - Slow flash - Quick flash	- Load is turned on; - Load is turned off; - Load is open circuited; - Load is short circuited;	- Dishcharging - Idle - Open circuit - Short circuit

## - FAQ

### 1. How to activate the solar LED light?

After opening the package, turn on the power switch of the light (the button is in the state of power on when recessed), the fixture will be lighted up; If it is not, place the fixture under the sunlight for about 10 minutes, and then completely covered with the solar panel, the fixture will be lighted up.

### 2. How to test the charging and discharging function of solar LED light?

After turning on the power switch, completely cover the solar panel of the fixture or place it in a dark environment (no reflection), the light will be lighted up; Then place the fixture under the sunlight and the light will be turned off.

### 3. The fixture can not be lighted up since it is placed for a long time?

As the battery will consume power, the system will lose power completely. Leaving the battery for a long time may cause irreversible damage, so you need to charge it every three months if it is not in the use.

### 4. Shorter light time?

The shorter light time is due to low battery power, or low charging efficiencies, such as rainy days, solar panels covered by trees, and dust; Lithium-ion battery losses will also lead to less energy storage.

## WARNING

- The use environment of the product should not be blocked to affect solar panel power generation;
- The product must be charged once every 3 months when it is idle;
- Please turn on the power switch of the fixture before use, and test whether it is functional before installation;
- Do not disassemble without the guidance of professionals or professionals.
- Review the entire Installation Guide.
- Inspect this properly packaged product for any damage that may have occurred during transit.
- Verify product application complies with manufacturer design recommendations.
- Verify the availability of necessary tools and incidental material.
- Verify applicable code requirements. Field assembly and installation are subject to acceptance by local inspection authority.
- Appropriate safety equipment to be determined by end user, per applicable safety standards and precautions.

\*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.