



GOLAND CENTURY

---

光澜世纪

**USER'S MANUAL**

# SOLAR GARDEN LIGHT CONTROLLER CLP01

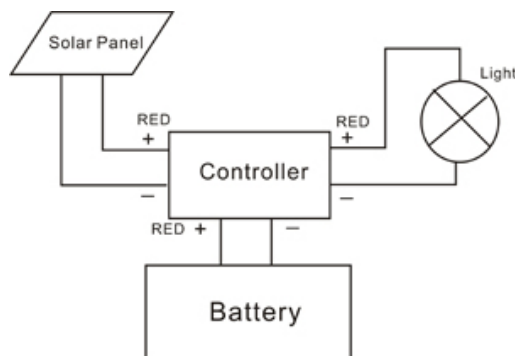
The product can automatically manage the work of Solar Panel and battery in Solar Garden Light System, which is below 6W (12V) or below 12W (24V). It's small in size and waterproof.



## I. FUNCTION:

1. Prevent the battery from over charging, over discharging and Reverse discharging to solar panel during nights.
2. Controller will start the lighting system in the evening automatically according to the surrounding luminance.
3. Controller can automatically shut down the lighting system:
  - A: Automatically shut down the light at dawn when battery is full.
  - B: Automatically shut down the light when battery is low.

## II. CONNECTION (AS INDICATED IN DIAGRAM):



1. Connect the “+”, “-” Poles of the battery to the correct wires (bottom) of controller (the RED wire is “+”).
2. Connect the “+”, “-” Poles of the solar panel to the correct wires (left) of controller (the RED wire is “+”).
3. Connect the “+”, “-” Poles of the load to the correct wires (right) of controller (the RED wire is “+”).

## Notice:

1. Please make sure the rated voltage of solar panels, batteries the loads are same and are all 6V or all 12V.
2. The rated current of solar panels and load must be less than 1A.
3. Load must not be short circuit.
4. Using other electrical power to charge the battery through Controller is strictly prohibited!

## The Specifications:

Rated Voltage	12V/6V	Supply-stop Voltage	10.5V/5.3V
Rated Charge Current	1A	Supply-resume Voltage	12.0V/6.0V
Rated Load Current	1A	Light Control Mode	Visibility 20M
Charge-stop Voltage	14.4V/7.2V	Working Temp	-10- +40°C
Coefficient of Stop Voltage and Temp	-3mV/°C/cell	Relative Humidity	≅ 90%
Size	55x36x20mm	Weight	33g

## GOLAND CENTURY TECHNOLOGY CO., LTD, SHENZHEN

---

Tel: +86 755 26827242      Fax: +86 755 26827243  
Room 311, Material Building, Houhai Street, Nanshan District, Shenzhen, China  
[www.szgoland.net](http://www.szgoland.net);    Email: [sales@szgoland.net](mailto:sales@szgoland.net)