

## User Manual For NV12V003LT Lawn Lamp Controller

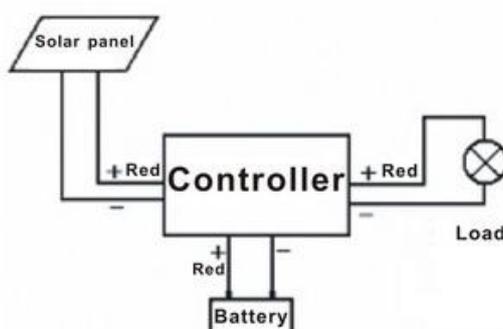
NV12V003LT solar lawn lamp controller is specially designed for small solar power system which is below 50W (12V).

### 1. Features and functions:

- 1) It adjusts the charging current according to the battery voltage, and decides whether supply current to the load.
- 2) Ensure the battery at a full-charged condition.
- 3) Protect battery to be over-charged.
- 4) Protect battery to be over-discharged.
- 5) Protect the battery reverse charge the solar panel during night.

### 2. System Connection:

- 1) Connect the “+”, “-“ poles of battery firmly and correctly with the controller, see below image, red wire means “+”.
- 2) Connect the “+”, “-“ poles of solar panel firmly and correctly with the controller, see below image, red wire means “+”.
- 3) Connect the “+”, “-“ poles of load firmly and correctly with the controller, see below image, red wire means “+”.



### 3. Points for attention:

- 1) Pls. check carefully before connection, make sure the voltage of controller, solar panel, voltage and load are the same.
- 2) The rated current of solar panel and load must below controller's rated current (1A).
- 3) Load must not be short-circuit.
- 4) It is prohibited to use other power supply to charge the battery instead of solar panel.

### 4. Technical parameters:

Rated voltage	12V	Over-discharge cut-off	11V
Rated charging current	3A	Ambient temp.	-10 ~ +40°C
Rated load current	3A	Operating humidity	≤90%
Over-charge cut-off	14.4V	Weight	33g
Temp. Compensation	-3mV/°C /cell	Dimension	55*36*20mm