

# **LUMINA PORTABLE SOLAR LIGHTING KIT**

## **User Manual**



## 1. Application:

This product is a multi-function mini solar home lighting system. It is suitable for normal lighting in area with plenty of sunshine while lack of electricity. It also can be used as lighting for camping, traveling, outdoor work and other emergency lighting. what's more, it can sue as a portable backup power/charger and can be charged for mobile phones, camera DV, MP3, MP4,PSP, iPod.....

## 2. Specification:

Solar panel: 18V 10W mono silicon (Efficiency at 16.8~17% and waterproof).

Internal battery: 12V 7AH maintenances free lead acid battery.

Lamp: 4psc DC12V 3W LED bulb.

Lighting time: About 8-10 hours when the internal battery is fully charged; About 5-6 hours when the internal battery is charged one day.

### Charging time:

About 10 hour's efficient sunshine time to full charge the internal battery by solar panel. (Note: In different latitudes or different areas or different seasons there is different effective sunshine time every day. The full charging time and lighting time everyday will be charged with it too.

Better sunshine energy area, get a better charging effect.)

## 3. Fittings:

The packing include following parts:

10W Solar panel with 6m cable	1PCS
12V7Ah battery kit	1PCS
LED with holder and 5m wire cable	4PCS
Manual user	1PCS
Mobile connectors	1Set

USB cable, Nokia tip, Samsung tip, PSP tip, Micro USB tip, Mini USB tip)

## 4. Using Guide:

### For lighting:

4.1 Install the solar panel in the roof or exposed place, where with strongest sunshine, then fix it.(Note: Make sure the solar panel is far away from any obstacle or any shadow all the day time. Please let the solar panel directly face to the strongest sunshine in the daytime.)

4.2 Plug the DC tip of the solar panel cable into the port "solar panel" on the battery kit and keep it always be connected for solar charging.(The indicator light on battery



kit will be red when charging, and will turn green after full charged.)

4.3 Put the battery kit in the room (Note: Make sure the battery kit is far away from direct sunshine or fire or water or high humid and make sure the battery kit is ventilated.)

4.4 Fix the lamp cables and lamp holders where need the light, and then screw the LED lamps into the lamp holder.

4.5 Plug the DC tip of the lamp cables into the port “light” on the battery kit

4.6 Turn on the “switch” on the battery kit, and turn on the “switch” on the lamp cables, and then the LED lamps will light up. (Note: Please full charge the battery kit first before using.)

### **For Mobile Charging:**

4.7 Turn on the “switch” on the battery kit and plug USB cable into the “USB” port on battery kit .Choose the correct tip for your mobile and connect it to the other DC end of USB cable.

### **5. Using tips:**

5.1 If the system connection is well however the LED bulb still not light up, maybe there is no power of the battery , so please charge the battery by solar panel at daytime in time.

5.2 Turn off the “switch” on the battery kit if you don’t use light and USB charging mobiles, otherwise it will have the self power consumption.

5.3 If you don’t use the system for long time, please full charge it first before strong and make sure it will have the self power consumption.

5.4 The LED lamp is DC 12V, can’t be use with AC110V/220V, otherwise it will break.

### **6. Caution:**

6.1 Protect the product from drastic crash or throw.

6.2 Keep the battery kit away from water and fire.

6.3 Do not disassemble the battery kit or other components.

6.4 Do not drag the cable of the solar panel strongly, or it will come to poor contact.



6.5 Please read the user manual carefully before using, the incorrect operation will damage the products.

6.6 Keep it away from children.

**Please full charge the battery at least one time every 3months especially when you not use it for long time.**



## Warranty card

### Guarantee acceptance:

Under normal use, the solar home light series made by our company can enjoy free warranty.

1. One year guarantee for the solar home light series made by our company.
2. Battery guarantee runs in accordance with the national provisions.
3. Product No.: \_\_\_\_\_
4. Sold date: \_\_\_\_\_

All the products, out of warranty period, are changed while repairing. If it is artificial damage or the labels are damaged, the company shall not be responsible for the warranty.

