


# BR5W-4.5AH Solar Home Lighting Kits User Manual



## Operation Description

Please make the battery fully charged before using it for the first time, when all indicator lights are always being on. it shows the charging is completed .

## Provide lighting

Plug the bulb cable into the socket which marked , and turn on or off the light by touching the power switch gently.

The system allocates high capacity battery, lighting time when fully charged please see the chart as below.

Quantity of bulbs	Lighting time when fully charged
1 PC	30 hours
2 PCs	15 hours

The system choose high bright bulbs with 130LM above, equal to 25W incandescent lamp.


## Battery capacity indicator:

- 3 indicator lights being on: 50~100%
- 2 indicator lights being on: 20~50%
- 1 indicator light being on: <20%

**WARNING: THE BULBS IS SUPER BRIGHT LED BULBS, PLEASE AVOID LOOKING AT IT DIRECTLY WHEN ITS LIGHTING.**

## System charged

Charge the system by using solar panel, you can refer to the below steps:

1. Place the Solar Panel in the sun where can receive the strongest sunlight
2. Plug the panel cable into the socket which marked , when indicator light twinkles slowly, that means charging normally.

## In order to get higher charging efficiency, may use the below methods:

1. Place the solar panel towards the sun to avoid covering by shadow
2. Wipe the panel surface by using the wet cloth regularly to avoid covering by dust or blot.
3. Place the system box where is shady and cool when charging so that the charge efficiency can be increased.
4. MCU controls charging intelligently, do not go out without pulling out the solar panels.

## Mobile phone charge

Operation steps :



1. Plug the USB into the port which marked
2. Connect the mobile phone through the connector.
3. Also can charge MP3, MP4, Digital Camera, etc

## Specification

Size of Controlling Box	126*57*185mm	0.94kg
Solar Panel	5W/9V Vmp: 8.7V; Imp:0.57A; Voc:10.8V; Isc0.61A 220*185*18mm Weight:0.52kg	
Panel Cable	3M Length	
Battery	6V/4.5AH Lead-acid	
Bulbs	1.3W 130LM	0.12kg*2
Color Temperature of Bulbs	6000-6500K	
Bulb Cable	3M Length With Switch	
USB Output	5V/500ma	
Color Box Size	230*85*190mm	0.12kg
Net Weight of System	1.70kg	
Gross Weight of System	1.82kg	
Carton Size	480*280*410mm (12PCs)	
Net weight	20.40kg	
Gross Weight	21.84kg	

## Battery maintenance and using skill

The system uses a 6V 4.5Ah lead-acid Maintenance- Free rechargeable battery

In order to keep the longest lifespan.

1. Please don't keep the battery in over- discharged status for a long time.
2. Please charge the battery at least one time every 3 months, even you don't use it .
3. When replace battery, please only use 6V lead-acid battery, and under guiding by professional person.