Solar household lighting system specification

Operation Description

Please make the battery fully charged before use it for the first time, when the indicator light ☀ is always being on. it shows the charging is complete .

Battery capacity indicated by the indicator light ☀ , when indicator light twinkle 2 times in 2 second ,that shows the battery is almost over discharged, at this situation ,it can light up two bulbs last 2-3 hours .when the indicator light twinkle 3 times in 2 second , that shows the battery is already fully discharged ,the system output is cutoff ,stop providing lighting and mobile phone charged.

Provide lighting

On/off power switch (protection battery, reduce loss when closed), when opened, charging, USB can work. Tact switch is opened with LED lamp can work, the plug is inserted LED indicating exhibit of lanterns lit

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
1pcs	30hours
2pcs	15hours

The system allocates high light bulbs with 90lm above, amount to the luminance of 25W filament lamp.

Waterproof bulb, keep on working under rainy days without affecting.

WARNING: THE BULBS IS SUPER BRIGHT LED BULBS, PLEASE AVOID LOOKING IN IT WHEN LIGHTING.

System charged
Charge the system using solar panel, can get through the below steps:
1. Place the Solar Panel towards to the sun where can receive the strongest possible sunlight
2. Plug the panel cable into the socket which marked ☼, when indicator light twinkle 1 time in 2 seconds, that means charging normally.

In order to get higher charge efficiency, may use the below methods:
1. Place the solar panel towards to the sun, avoid covering by shadow
2. Wipe the panel surface using the wet cloth regularly, avoid resisting the sunlight by dust or blot.
3. Place the system to where shady and cool when charging, so that can increase the charge efficiency

Mobile phone charged
Allocate a connection line with 10 kinds of connector, can charge most of the mobile phone on market.

Operation steps :

1. Plug the USB into the port which marked
2. Connect the mobile phone through the connector, then charge the mobile phone.

The 10 connectors are : MOTO V3,V8 ;Nokia 8210,6101;Sony Ericsson K750;Sumsung E760,D900;Iphone ;PSP and LG KG800

Specification

solar panel	1.7W9V*2pcs
panel cable	5m
battery	6V4.5AH lead-acid
bulbs	0.9W 90LM
color temperature of bulbs	6000-7000K
bulb cable	5m
USB output	5V500ma
IP grade of bulbs and panel	IP54
IP grade of control box	IP20

Battery Maintenance and use 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 the over discharge status
3. Please charge the battery at less one time every 3 months, even you don't use it .

When replace battery, only use 6V lead-acid battery, and under conduction by professional person.