



100W Solar LED Flood Light

1、 P/N : 0837B100-01 100W

2、 Features of the Product:

- ★ Photocell+Remote Controller Mode.It can be on more than 30 hours after full charge.
- ★ Use Constant current control integrated machine, The energy conversion efficiency of the battery is above 96%.
- ★ Intelligent charging mode,To reduce the Curing effect from over discharge of the battery, the battery life is longer.

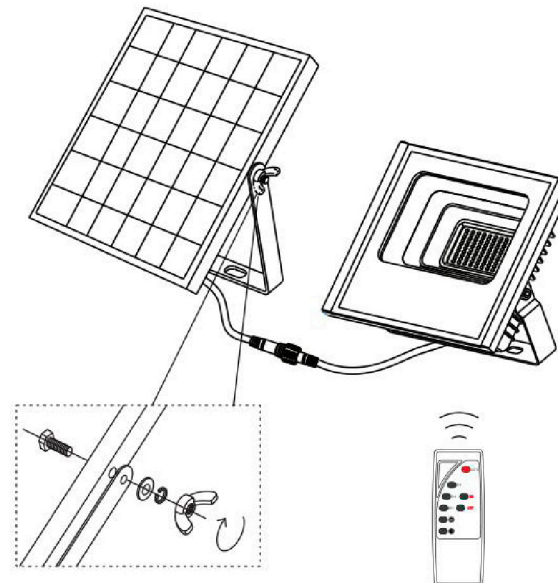
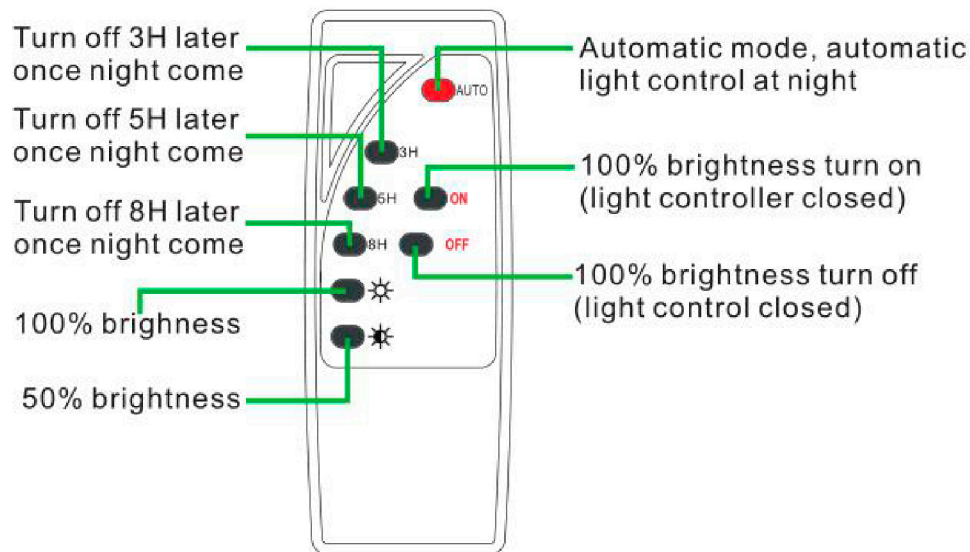
3、 Photo



4、Working Principle:

The working principle of the system is based on Photovoltaic effect. In the daytime, the solar panel absorbs the solar radiation energy and transforms it into electricity which flows and will finally be stored in lithium battery through controller. As dusk approaches the illumination will gradually drop to as low as 25 lux. Once detecting low illumination as that , the Charging and Discharging controller manipulates the lithium battery to transmit electricity to LED chips.

You must keep the remote controller “ ON” when you charge the lamp in the daytime. You need not operate the remote controller any more after you turn on the it because the lamp will automatically be lit in the nighttime and automatically go out in the daytime since the light sensor is built-in.



When installing the lights in Northern Hemisphere, please adjust the solar panel to the South as much as possible to collect maximum sunshine radiation, while installing them in Southern Hemisphere, By the same token, keep solar panel to north. At the same time please keep it away from any shadow of houses, trees etc. The charging speed of the battery is the fastest when solar panel is vertical to sunshine.

5、Parameters:

Item No.	0837B100-01
LED Chip	100W LED
Working Voltage	DC6.4V 15AH
Luminous Flux	110lm/w
Color Temperature	6000K-6500K
LED Lifespan	≥50000H
Solar Panel	25W 9V Polycrystalline
Working temperature	-20°C~ 60°C
Storage temperature	-30°C~ 80°C

IP Grade	IP65
Weight (KG)	5.6KG
Dimension	330*255*85mm
Packaging size	Lamp body:545*345*285mm & Solar panel:525*175*365mm

6、Install Instruction:

* The data of its working time was measured at latitude 22 ° , 113 ° east longitude in sunny days.

The working time will be affected by the surroundings.

The following are tips and directions for all in one solar street light, please pay attention.

①Solar LED Flood Light could not work without sunshine, please select the suitable model according to the local sunshine radiation and the annual total radiation.We suggest use the both AC and DC charging model in those places where lack of sunshine or have long-time rainy days.

②Battery of the Solar LED Flood Light can be stored for 6 months long after fully charged. Therefore please examine and charge it periodically after long time transportation or storage to prevent damaging.

③When install the lights in Northern Hemisphere, please adjust the solar panel to the South as much as possible to collect maximum sunshine radiation, while install them in Southern Hemisphere, By the same token, keep solar panel to north. At the same time please keep it away from any shadow of houses, trees etc.

④Keep clear of the surface of the Solar LED Flood Light with normal detergent to get maximum power generation, clear the dust or tree leaves or any grease.

⑤Solar LED Flood Light have got the standard of IP65.The vents on the surface is designed for radiating.The materials are made of aluminum alloy which can survive in the environment of seaside and desert.

*** We have right to improve the structure of our products without any special notice. If there is anything different from data here, please follow what it is.**

We guarantee that we have done what we can to improve the contents of the instruction, so we will not assume any loss of this.