



## Solar LED Street Light

1、 P/N: 0830C90-01 90W

### 2、 Features of the Product:

- ★ Potocell+Time control mode , It can be on 30-36 hours after full charge  
(Three rainy days) .
- ★ 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 .
- ★ Compliant with IP65 Standards .

### 3 Photos :



### 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.

## 5、Parameters:

P/N		0830C90-01
Wattage		90W
Battery		Lithium-Ion 11.1V 50AH
Working Method		Potocell+ Time Control
Working Time		Three rainy days
Discharge Time		6-8 hours
Beam Angle		120°
CCT		6000-6500K
Storage Temperature/Humidity		0-60°C/60+/-25R.H.
Working Temperature/ Humidity	Charging	0~60°C/60+/-25R.H.
	Discharging	-20~60°C/60+/-25R.H.
IP Grade		IP65
Weight (KG)		32KG
Pole Diameter (Upper Mouth)		φ 60-70mm
Lamp Size		1320*920*670mm
Install Height		5-7m
Install Width		10-15m

## 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.**

① Solar LED Street 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.

② Battery of the Solar LED Street 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.

③ When 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.

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

⑤ Solar LED Street 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.**