



Outdoor Dusk To Dawn 60w Solar Street High Brightness Light 6000 Lumens

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Yahua lighting
- Certification: CE,Rosh,Iso9001
- Model Number: YHZ-SSL-100W
- Minimum Order Quantity: 1Pc for solar street light with inbuilt batteries
- Price: USD260-271 per piece for solar street light with inbuilt batteries
- Packaging Details: Carton
- Delivery Time: 8-10 work days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000 sets per month



Product Specification

- Lampshade Material: Die-casting Aluminum
- Lampshade Material: Toughened Glass
- Rate: Ip65
- Application: Road Street Square Path Garden
- Power Factor: ≥ 0.9
- Battery: 12V/85Ah
- Solar Panel: 18v 120w
- Charging Time: >6 Hours
- Lighting Time: 3~7 Rainy Days
- Highlight: **60w Solar Street High Brightness Light,
60 watt Solar Street High Brightness Light,
6000Lm Solar Street High Brightness Light**

Product Description

Outdoor Dusk To Dawn 60w solar street high brightness light 6000 lumens

Product Description of 60w solar street high brightness light 6000 lumens,



LED	60W Bridgelux chips3030(Life time 100000hours)
Lumen(LM)	120LM/W
Colour Temperture	6000K ~6500K(it can be customized)
LifePO4 Battery	36Ah 12.8V
Solar Panel	18V80WImported High Efficiency Monocrystalline Silicon
Install Pole diameter	60-65mm
Mounting Height	7~8m (Suggest install between space30-40m)
Solar Charging Time	6 hours by bright sunlight
Cloudy/Rainy days	12 Cloudy/Rainy days
Material	High Class Aluminum(anodic oxidation treatment)
Product Size	1250*356*60mm(LED lamp)585*125*320m(Brackets)
LED Lamp	90PCS
Motion sensor	without motion sensor also can be available
Remote Control	Yes(1pc remote control per lot)
Waterproof	IP65
Working Temperture	-25°C to 65°C
Certificates	CE,ROHS,IP65
Warranty	5Years

Features of solar street light with inbuilt batteries:

- 1..High class Integrated die-casting Aluminum alloy case .
- 2.Lighting mode use intelligence radar senor,sensor long distance.
- 3.140° view angle,lighting more area.
- 4..Easy to install,maintance,Auto on/off
- 5.With remote control,UVA technology,bring high corrosion resistance,30m remote control operation,4 lighting mode.



Normally, the number of days supported by the lithium battery in rainy and cloudy days is 2-3 days, that is, when there is no sun in winter and autumn, the electricity in the battery can last for 2-3 days. But in actual use, once the battery is fully charged, it will last more than 2-3 days. On the one hand, even in rainy weather, solar panels can still charge some electricity. On the other hand, the controller has automatic power reduction, which can automatically reduce the brightness of the solar street light, according to the voltage dropped by the battery to save power. Through this series of measures to increase revenue and reduce expenditure, 3-5 days can be used.

Then we calculate according to 3 days,
the storage capacity of the battery = the daily power consumption * the number of support in rainy and cloudy days:

$135\text{WH} \times 3\text{days} = 405\text{WH}$,
and then divide by the voltage of the lithium battery to get the capacity, for example, we use 11.1V lithium battery, the capacity is $405/11.1 \approx 36\text{AH}$



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