



# ALL-IN-ONE SOLAR STREET LIGHT

**6W/12W**



**Super Bright**

LED chip of superior quality for bright illumination, the brightness is several times higher than traditional light bulbs, big capacity battery can save up to 100% electricity.

**Easy To Installation**

The all-in-one solar street light is easy to install, and can be mounted on a wall or a pole, it can saving installation costs and maintenance costs, electricity bills as well.

**Uv Proof Plastic Case**

Made of durable PC material, this solar light is IP65 waterproof so it can withstand rain and other extreme weather conditions.

This outdoor solar light is perfect for decorating and lighting up your garden, patio, deck, dock, fence, stairs, passages, and more.





**PRODUCT DETAILS**



PIR Motion Sensor



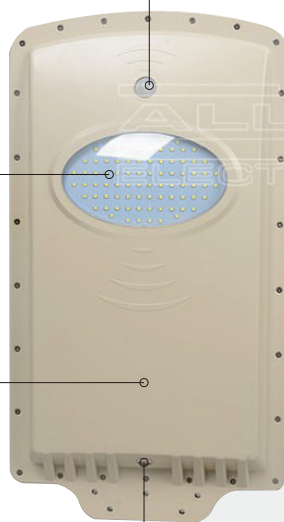
LED Chip



Battery



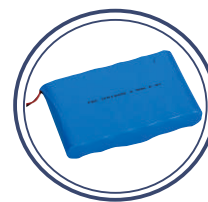
Waterproof Switch



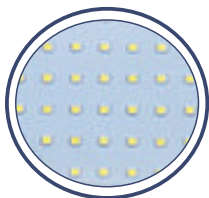
Solar Panel



Battery



Long battery lifespan and more durable, even use in the -20°C ~ 65°C area

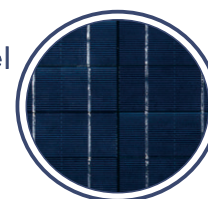


LED Chip

Moisture-proof and waterproof, high quality LED chip has a wide lighting range.

Solar Panel

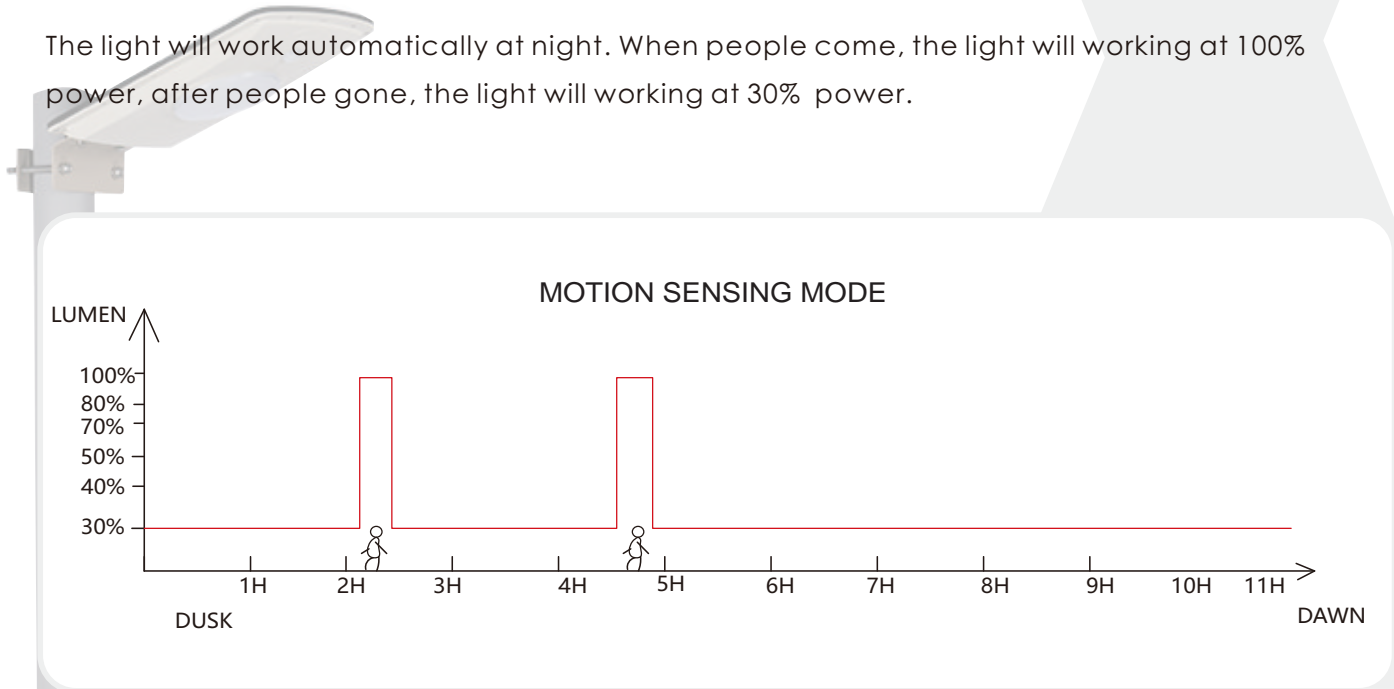
High quality polycrystalline silicon material, high charging efficiency, long lifespan





## HOW THE LIGHT WORKS

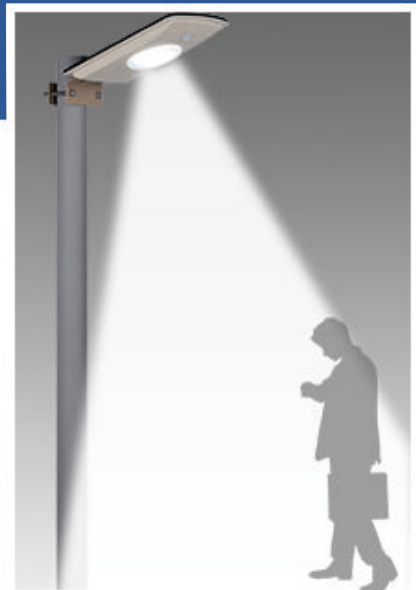
The light will work automatically at night. When people come, the light will working at 100% power, after people gone, the light will working at 30% power.



- Solar charging during the day



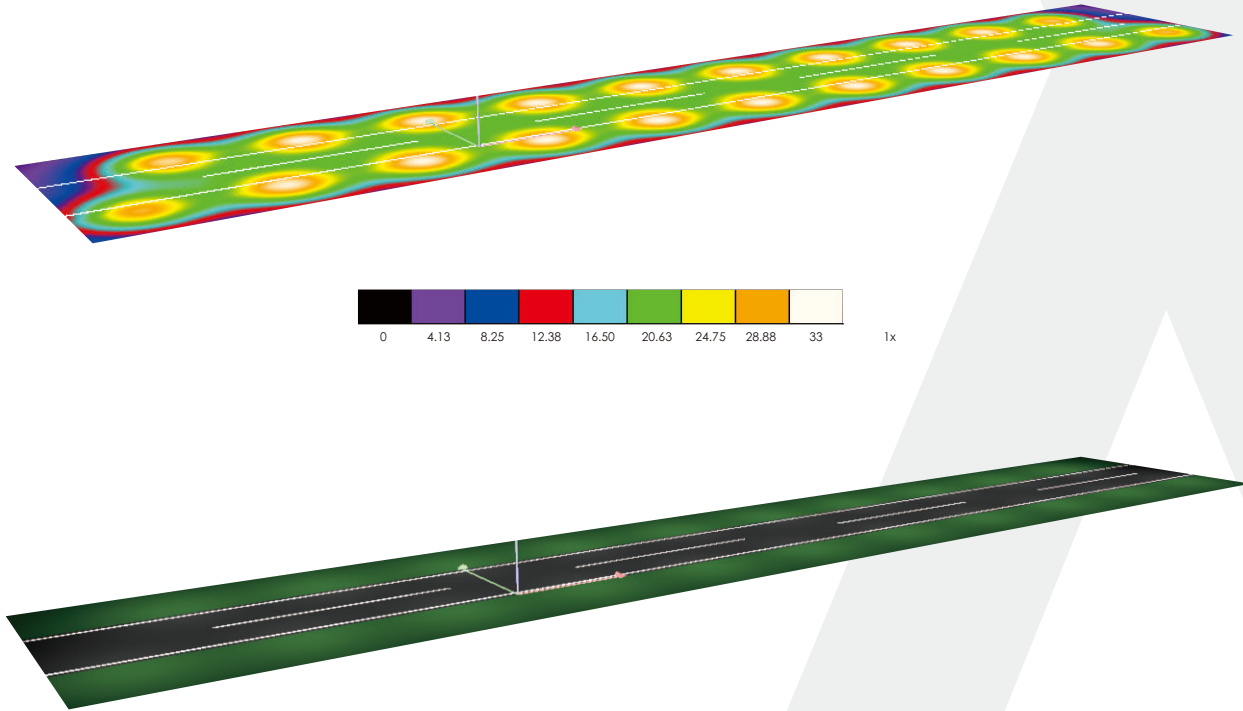
- Light up at night.



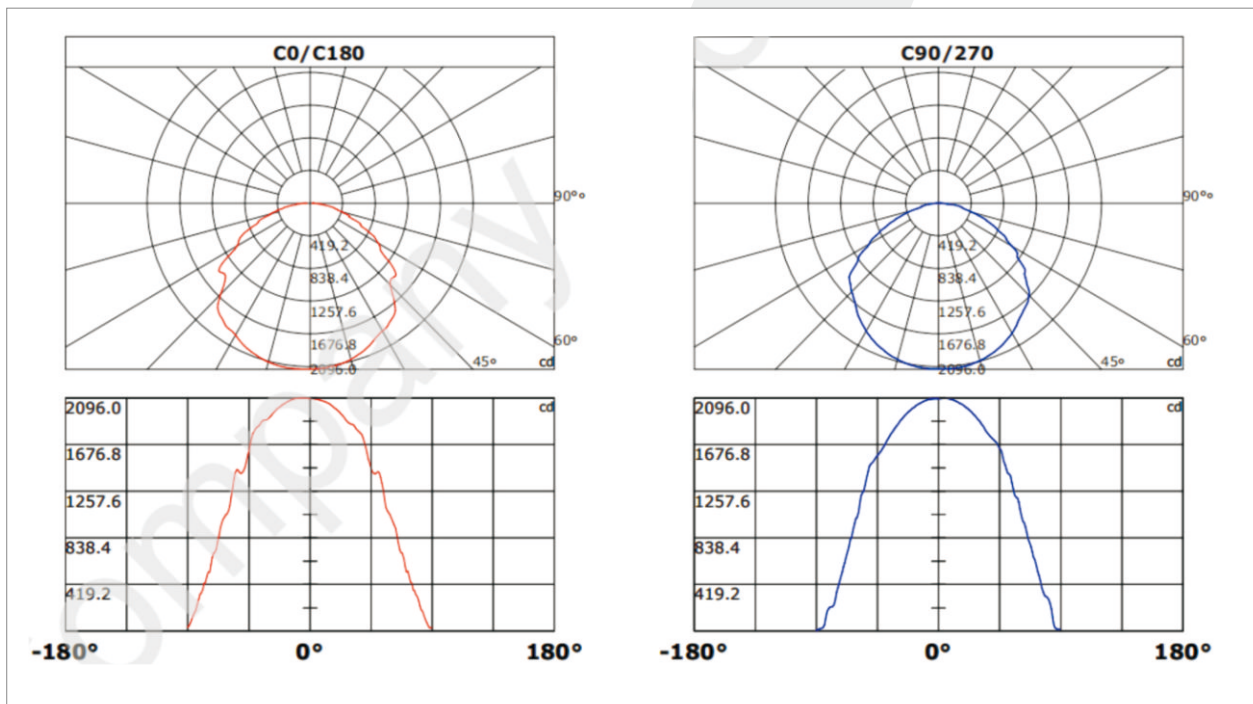
- Light on (100% power) when people come. Dim light when people gone.



**DIALUX SIMULATION EFFECT**

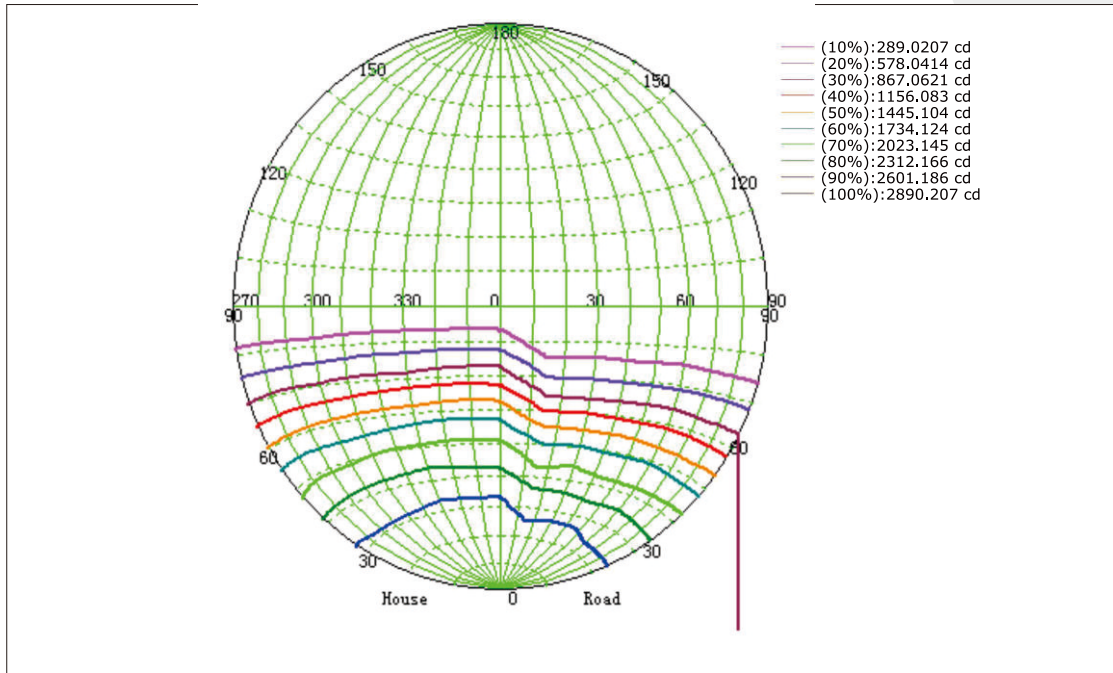


**LIGHTING DATA**

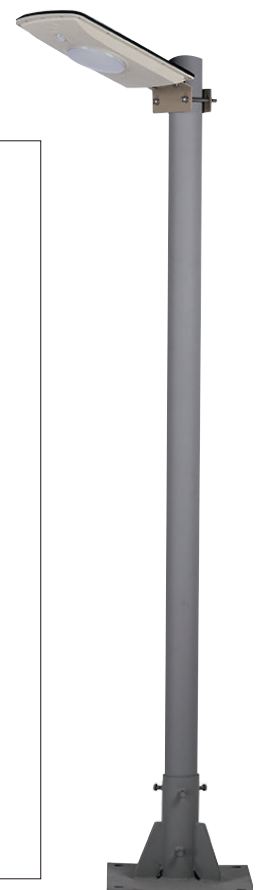
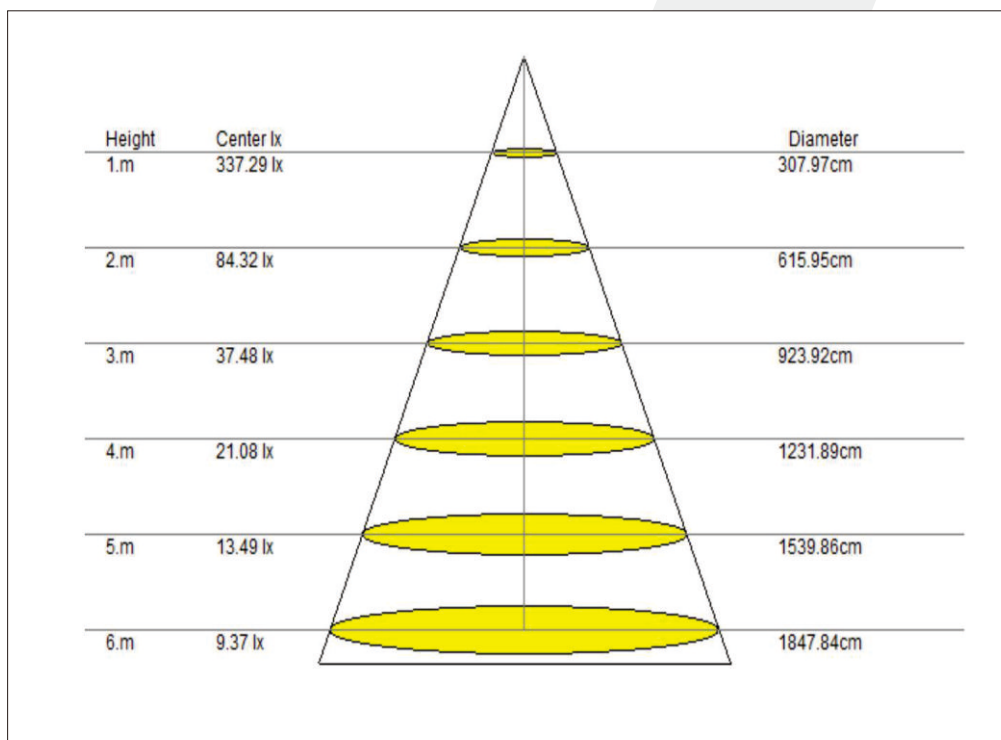




**LIGHTING DATA**

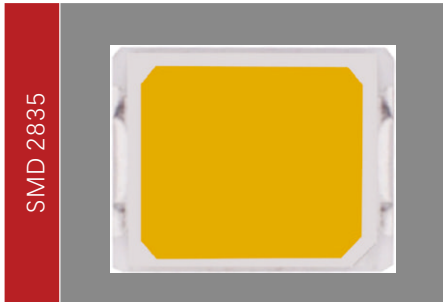


**LUX-DISTANCE CURVE**





## SMD 2835 INTRODUCTION



The SMD 2835 low power LED is cold-color targeted, which ensures that the LEDs fall within their specified color bin at the typical application conditions of 25°C. With its broad lumen coverage and wide range of CCT options, the SMD 2835 provides unparalleled design-in flexibility for indoor and outdoor lighting applications. The SMD 2835 is ideal as a drop-in replacement for emitters with an industry standard 2.8mm x 3.5mm footprint.

### Benefits

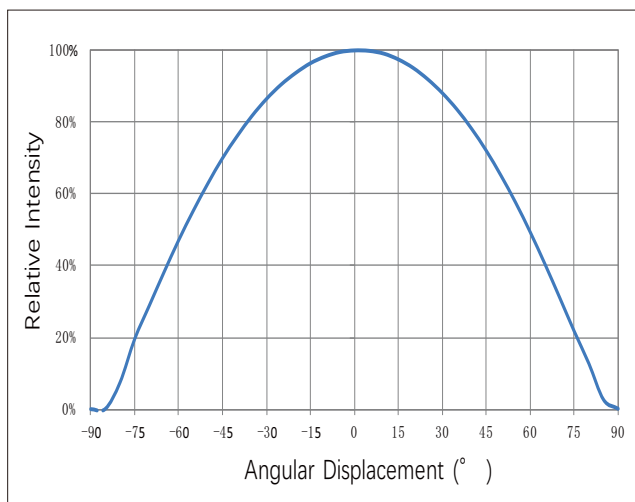
- Industry-standard 2835 footprint
- 9 bin color control
- Cold-color targeting ensures that color is within the ANSI bin at the typical application conditions of 25°C
- Enables 3- and 5-step MacAdam ellipse custom binning kits
- RoHS compliant and lead free
- Multiple CCT configurations for a wide range of lighting applications

### Features

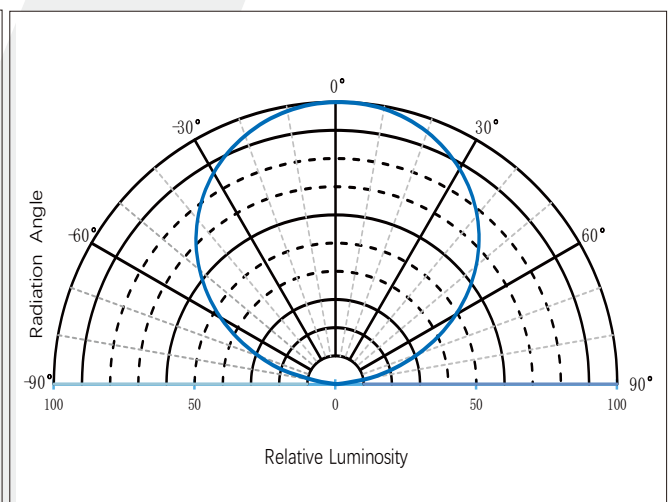
- Lower operating and manufacturing cost
- Ease of design and rapid go-to-market
- Uniform, consistent white light
- Reliable and constant white point
- Compliant with environmental standards
- Design flexibility

### Typical Radiation Pattern

**Figure 1:** Typical Spatial Radiation Pattern at 60mA, Tsp=25°C



**Figure 2:** Typical Polar Radiation Pattern at 60mA, Tsp=25°C



Notes for Figure 1:

1. Typical viewing angle is 120°.
2. The viewing angle is defined as the off axis angle from the centerline where luminous intensity (Iv) is ½ of the peak value.



## SOLAR PANEL SPECIFICATION



### Specifications

Peak Power(Pmax)	10/20
Maximum Power Voltage(Vmp)	9/15
Maximum Power Current(Imp)	1.11/1.33
Open Circuit Voltage(Voc)	13.13/19.13
Short Circuit Current(Isc)	1.14/1.36
Cells Efficiency(%)	18.09
Module Efficiency(%)	11.66/13.93
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.300%
Isc Temperature Coefficients(A/°C)	+0.060%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85
Standard Test Condition(STC)	1.000W/m <sup>2</sup> ;AM 1.5;25+/-2°C

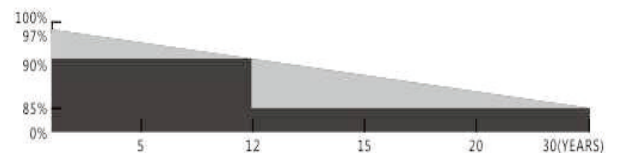
### Mechanical characteristics

Dimensions	301*172*4.5mm 453*268*4.5mm
Front Glass	3.2mm high transmission,low iron,tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP65 Rated
Output cables	Without cables and connector

### Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

### Linear Performance Warranty



**12**  
YEARS

Guarantee on product material and workmanship

**30**  
YEARS

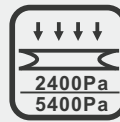
Linear Power output warranty

### Key Features



#### 5 Busbar Cell:

5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



#### Severe Weather Resilience

Certified to withstand: wind load(2400Pa) and snow load (5400Pa)



#### High Efficiency

High Module conversion efficiency, through innovative manufacturing technology



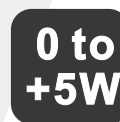
#### Durability against extreme environmental conditions

High salt mist and ammonia resistance certified by TUV



#### Low-Light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



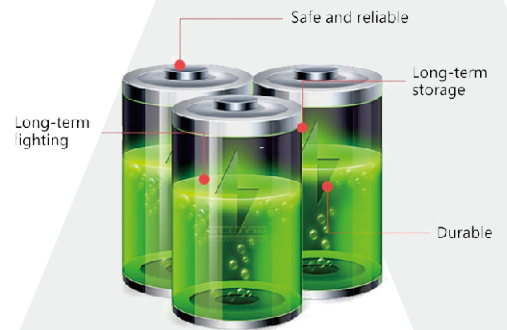
#### 0 - +5W Positive Tolerance

Detailed information in Electrical Specifications



## BATTERY SPECIFICATION

DesignLife	6-8 years	
Nominal Voltage	7.4V	11.1V
Nominal Capacity	6AH	15AH
Self-Discharge		
3% of capacity declined per month at 20°C(average)		
Operation Temperature Range		
Discharge	-20~60°C	
Charge	-10~60°C	
Storage	-20~60°C	
Max.Discharge Current 77°F(25°C)	1200A(5s)	
Short Circuit Current	3000A	



## BATTERY GUARANTEE OF QUALITY

### 1 Battery Cells

High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync

### 2 Battery Protector

High precision IC keep performance more stable protect over load, over charge, over discharge , short circuit, over voltage, over current keep battery pack always safe and long life span

### 3 Precision Welding Machine

Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure

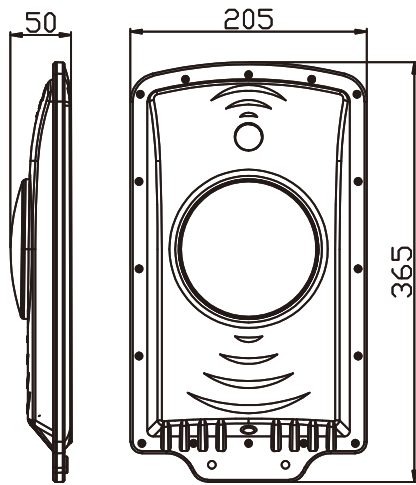
### 4 Aging Test Machine

every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified





## PRODUCT SPECIFICATION

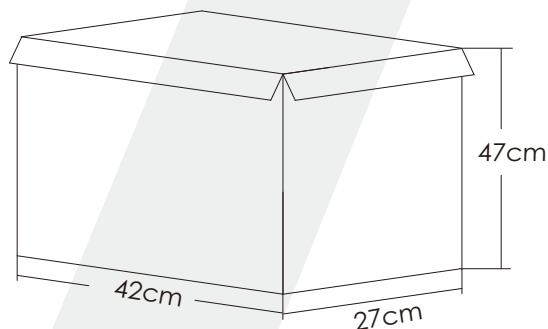


0200A06-01 6W

Model	0200A06-01
LED Lamp	2835 LED 64PCS 6000K
Solar Panel	9V 10W, Polycrystalline
Battery Type	Lithium-Ion 7.4V 6AH
Charging Time	6-8 Hours
Discharging Time	20-24 Hours
Control Way	PIR Sensing
LED	100 lm/w
Material	PC
Product Size	365*205*50mm
Install Height	2-4m
Warranty	3 years

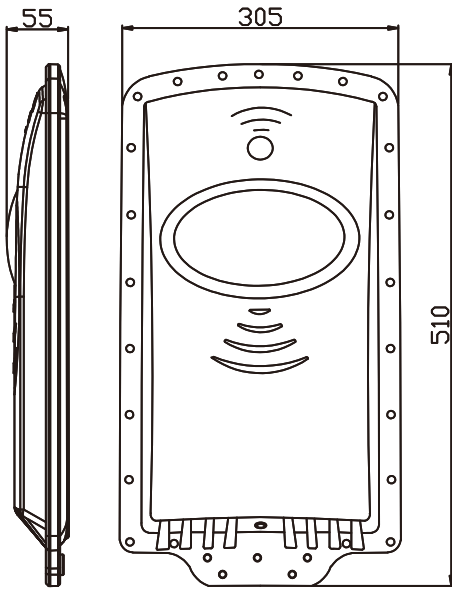
## PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0200A06-01	6W	42.00	27.00	47.00	5	0.0533	10.00





## PRODUCT SPECIFICATION

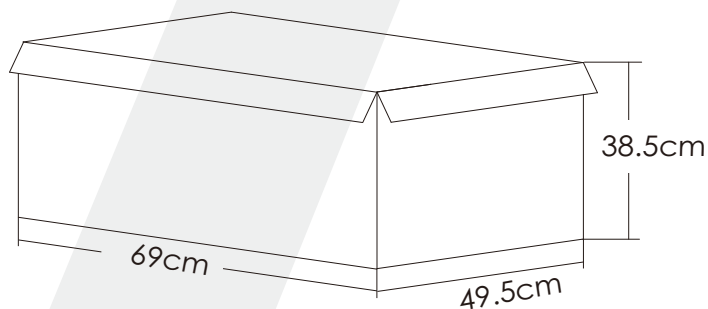


0200B12-01 12W

Model	0200B12-01
LED Lamp	2835 LED 84PCS 6000K
Solar Panel	15V 20W, Polycrystalline
Battery Type	Lithium-Ion 11.1V 15AH
Charging Time	6-8 Hours
Discharging Time	20-24 Hours
Control Way	PIR Sensing
LED	100 lm/w
Material	PC
Product Size	555*305*55mm
Install Height	3-5m
Warranty	3 years

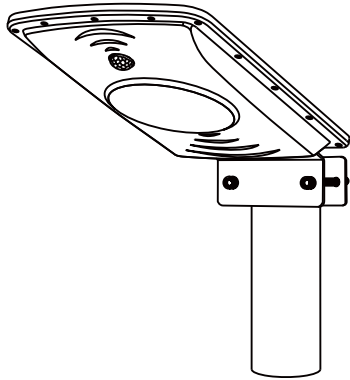
## PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0200B12-01	12W	69.00	49.50	38.50	4	0.1315	21.70



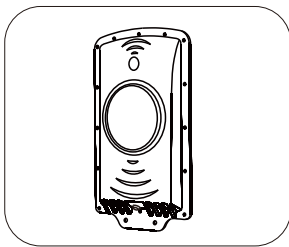


## INSTALLATION GUIDE

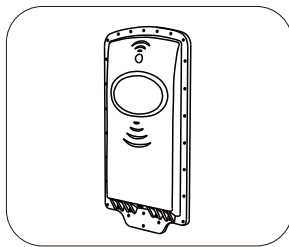


Warning:

- ▶ Please avoid looking directly at the light.
- ▶ The charging and dismantling process must be carried out in a safe place.
- ▶ Do not short-circuit, disassemble ; do not put in the water and near the fire.
- ▶ without professionals, do not attempt to repair or replace the battery , the supplier shall not be responsible for any damage of the consequence of replacing or repairing the battery that not conducting by supplier.



0200A06-01



0200B12-01

