

## 100W Solar LED Street Light SUNWAY | BYD Lithium Battery | Aluminium | 3000K



### Product code:

Reference: FA-ILU10-3K

### Technical specifications:

REFERENCE: FA-ILU10

Rated Power : 100W Chip

Colour: 3000K

CRI - Chromatic Rendiment Index: 80

Construction Material: Aluminium+PC

Luminosity-Lm: 2700 Lm

Number & Type of LEDs: SMD 3030

Beam Angle (°): 360°

Luminous diodo LED (Lm/W): 190Lm/W

Certifications: CE - ROHS

IP : IP65-Outdoor

Diode Life Expectancy (H): 50.000

Dimensions (mm): 433xH156

Temperature Range (°C): -10° +60°

Other Information: Solar Panel: Monocrystalline Class: A 16.2V

Material of the Battery: LiFePO4 - Litio-Ferrofósforo -LPF 3.2V 38AH

Download Time: 48h.

Energy Rating (2021-UE-2019/2015): A++

Warranty Years: BYD Battery 3 Years - LED 5 Years

Time-Delay: 48h

### Product short description:

The **Solar Street Light -SUNWAY- LED** high power 100W Chip, is perfect when you want to save and at the same time you do not want to do electrical installation, which makes it perfect for public lighting in all kinds of areas. The streetlight came pre-programmed to maximize the use of the **Lithium BYD battery** with **MPPT** technology that charges even on cloudy days. **Monocrystalline Solar Panel.** **AUTOMATIC PROGRAMMING.** - The street light does not include the column -

*To see the option with Column click on the link:*

*Streetlight with support*

### Product description:

100W SUNWAY LED Solar Street Light- MPPT Technology- Monocrystalline Panel

Our Solar streetlight -SUNWAY- has an MPPT management regulation system "Maximum Power Point Tracker", which is the most efficient battery control system, both for its protection, extending its useful life, and by the most efficient performance system to obtain more lumens from the luminaire, which achieves the maximum useful life and maximizes the performance of the battery.

The solar panel of the solar street light is monocrystalline, which is the most efficient on the market, reaching 20% uptake, compared to 15% for polycrystalline ones. The MPPT regulator is capable of separating the operating voltage of the solar panel from the voltage of the battery. This allows you to place the voltage of the solar panels at the optimum point to obtain the maximum power at each moment of use of the solar luminaire, charging even on cloudy days.

The professional solar street light has a high capacity battery from the manufacturer BYD.

Also benefit from the advantages of this S Professional Street Light, since some of its advantages are that thanks to its advanced LED technology you will achieve a great light output.

- Savings in maintenance costs.
- Ideal to replace the old streetlights.
- It has IP65 protection for outdoor use.
- You do not need an external power supply.
- Does not require wiring installation.
- Automatically turns on at nightfall.
- It uses clean and renewable energy thanks to the fact that this panel captures the heat produced by the sun during the day, converting it into energy, thus charging its battery, and at night the led module is turned on using the stored energy.
- Its installation is very simple.

Once installed, you just have to wait for the sun to charge its batteries and at night it will turn on automatically, in order to offer you the light you need in the place where you have installed it.

### Functioning:

# Technical Datasheet

The streetlight is programmed for optimal operation for 7 hours. It has 4 stages of automatic operation, which start when night falls:

- 1) First stage: for 1.5 hours: the light will turn on smoothly up to 100%.
- 2) Second stage: for 1.5 hours, the light will turn on smoothly up to 70%.
- 3) Third stage: for 1.5 hours, the light will turn on smoothly up to 50%.
- 4) Fourth stage: rest of the time it will light up smoothly up to 30% to extend the life of the lithium battery.

Although the Solar LED street light comes pre-programmed, this programming will be modified if the controller understands that the battery level is low. That is, the controller will help extend the battery life by protecting it against usage at very low levels.

Applications of the 100W SUNWAY LED Solar Street Light:

- Gardens
- Public parks
- Roads
- Streets
- Plazas...

In our online store we ensure that our products have a QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical sheet of each LED product.

## Additional images:

