

120W Solar PRO LED Street Light 2600Lm with radar motion detector

Product codes:

Reference: SST12W



Product features:

Power (W): 120
Color temperature CCT: 3000K
Color temperature CCT: 4000K
LED chip brand: BRIDGELUX
Brightness (Lm): 2600
CRI: +80
Colour: Grey
IP: IP65
Measures (mm): 660x240x63mm
Material: Aluminum + PC
Operating temperature: -20°C ~ +55°C
Energy efficiency 2021: A++
Lifespan: 40.000h
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Color temperature CCT (°K): Natural white 4000K, Warm white 3000K

Product description:

Solar LED Street Light PRO 120W 2600Lm The **120W Solar LED Street Light PRO** is an efficient and sustainable lighting solution, ideal for public lighting in areas where there is no connection to the electrical grid. Made of high-quality aluminum, this street light features a powerful Bridgelux SMD2240 DS-C30 LED chip that provides a luminous flux of 2600 lumens.

Thanks to its **radar motion sensor**, the street light operates at 20% capacity from dusk till dawn, automatically increasing to 100% when motion is detected, ensuring maximum energy efficiency. It does not require a connection to the electrical grid and is perfect for illuminating streets, avenues, parks, and other urban areas.

The **16,000mAh LiFePO4 battery** provides an average autonomy of 2 nights, ensuring continuous performance even on cloudy days. Additionally, it includes a 9V 20W monocrystalline solar panel that optimizes solar energy capture.

The system includes a remote control to facilitate the control and programming of the street light according to the specific needs of the installation site.

Technical Specifications

- **Power:** 120W
- **Luminous Flux:** 2600 lumens
- **LED Chip:** Bridgelux SMD2240 DS-C30
- **Sensor:** Radar motion sensor
- **Battery:** 16,000mAh LiFePO4
- **Autonomy:** Up to 2 nights
- **Solar Panel:** Monocrystalline 9V 20W
- **Dimensions:** 660x240x63mm
- **Light Color:** Cool white
- **IP Rating:** IP65 (Suitable for outdoor use)
- **Includes:** Remote control
- **Installation:** Pole or tube mount not included

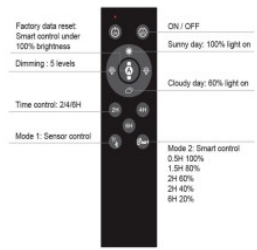
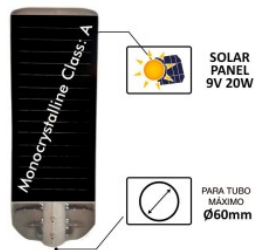
Installation of Solar LED Street Lights

The installation of a solar street light generally involves the following steps:

1. **Select a suitable location:** Look for a place that receives enough sunlight during the day to charge the street light's battery and that is safe and accessible for installation.
2. **Assemble the street light:** Most solar street lights come with parts disassembled, so you need to follow the manufacturer's instructions to assemble the street light. This usually involves attaching the light pole and connecting the solar panels, battery, and light.
3. **Prepare the installation site:** Dig a hole approximately 50 cm deep and place the street light base in the center of the hole. Fill the hole with cement and ensure that the base is level.
4. **Mount the street light on the base:** Once the cement has dried, mount the street light on the base according to the manufacturer's instructions.
5. **Connect the cables:** Connect the battery, solar panel, and light cables according to the manufacturer's instructions.
6. **Test the street light:** Test the street light during the night to ensure it operates correctly and adjust the settings as needed.

It is important to carefully follow the manufacturer's instructions to ensure the solar street light is installed correctly and operates efficiently. Additionally, it is crucial to ensure that the solar street lights receive enough sunlight to charge the battery; otherwise, you may need to move the street light to optimize its performance.

Product gallery:



MPPT Controller

- Conversión de alta eficiencia
- Diseño inteligente

