

User Manual

Overview:

This is an All in One Integrated Solar Street Light with 18 Watt Solar Panel 20 Watt LED with 2000 Lumens. It consists of 3.7 volts 40 AH Li-ion battery. PIR Motion sensor for Energy Saving. It is an automated light which turns ON during the night and turns OFF during the daylight. This features helps saving the human and material resources.

Motion sensor lights detects infrared waves/heat waves that radiates from moving objects especially warmer objects such as people, animals and cars thereby electronically turning on the lights. These lights can provide maximum brightness illumination in the dark. The main advantage of using these lights is to enhance security thereby reduces the crime. The battery will not discharge sooner as the lights are turned OFF when there is no motion and hence the brightness of lights remain throughout.

The light contains 3 working modes which can be changed based on the user needs by clicking on the Switch.

- Mode 1: 30% Brightness and 100% Brightness with Motion.
- Mode 2: 100% Brightness in the first 5 hours + 25% Brightness in the next 5 hours and 100% Brightness with Motion + 70% Brightness until Dawn.
- Mode 3: 70% Brightness until Dawn.

Advantages of Solar Premium Street Light 20W:

- Energy Saving: Transform sunlight into electrical energy. Sunlight is unlimited, clean and alternative energy source.
- The light can be installed from Equator area to Polar Regions. The Working temperature is -20 to 60 deg C.
- Environment Protection: No Pollution, Noise or Radiation.
- Safety: Lower Voltage Power Supply (3.7 Volts), safe than conventional energy sources. This product is very safe and reliable operation.
- This solar street light has got Li-ion battery which provides protection on Overcharging/Discharging of batteries.
- Easy Installation, no hanging wires or construction needed. The lamp can light up vast areas and 120-degree angle.
- Unmatched reliability and quality.
- Maintenance Free. This lamp turns ON/OFF Automatically. It does not need and manual intervention. Also there is no other maintenance required other than cleaning solar panel once in a while.

- Eco friendly and high-end usage.
- Sleek design and can be used anywhere which gives a very rich look.

Application:

It is widely used in street and roads, residential areas, scenic spots, parks, private gardens, courtyard, parking lot, wildlife area and other public areas.

Technical Specification:

- Solar Panel with 18W and a life span of 25 years.
- Li-ion battery with a voltage of 3.7V.
- The battery capacity is 40Ah with a life span of 8-12 years.
- The working time is 1 night with a charging time of 6-8 hours.
- LED chip brand is NICHIA which has a wattage of 20W and emits with a maximum power of 20 W/2000 Lumens (1W=160 Lumens).
- The lifetime of LED is >50000 Hrs with a viewing angle 120 deg.
- The color of the light is Pure/Cool white with a temperature of 5000-6000k.

Pictorial Representation:



Installation Details:

- Installation height is 4-5 Meters.
- Installation distance is 15 -20 Meters.
- It can be installed on a Pole.
- Along with the product 2 Clamps and 4 Bolts are included in the box.

Maintenance:

- This product is maintenance free. However, if the product is used in areas where there is lot of dust, the solar panel has to be cleaned once in 6 months to ensure product charges efficiently.
- Install the light at certain angle, so that during raining season panel is cleaned naturally.

Warranty:

- The product covers 2 years warranty from the date of invoice.
- Warranty is not covered for the damage of product due to any misuse/broken parts and natural disaster.

Product Images:



LED chip



Switch



Battery