

User Manual

Overview:

This is an One Integrated Solar Street Light with 40 Watt Solar Panel 20 Watt LED with 3200 Lumens. It consists of 3.7 volts 32 AH Li-ion battery. Inbuilt intelligent sensor control system helps in charging the battery and switching light ON/OFF. Light runs with 100% brightness for first 6 hours and later on switched to intelligent control. Intelligent control regulates the brightness depending on the battery availability and ensure that it gives light throughout the night. LED Lens used in the light is Japan Teijin Chemicals PC outdoor optical lens with 93% light transmittance.

Advantages of Solar 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 (3.2 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:

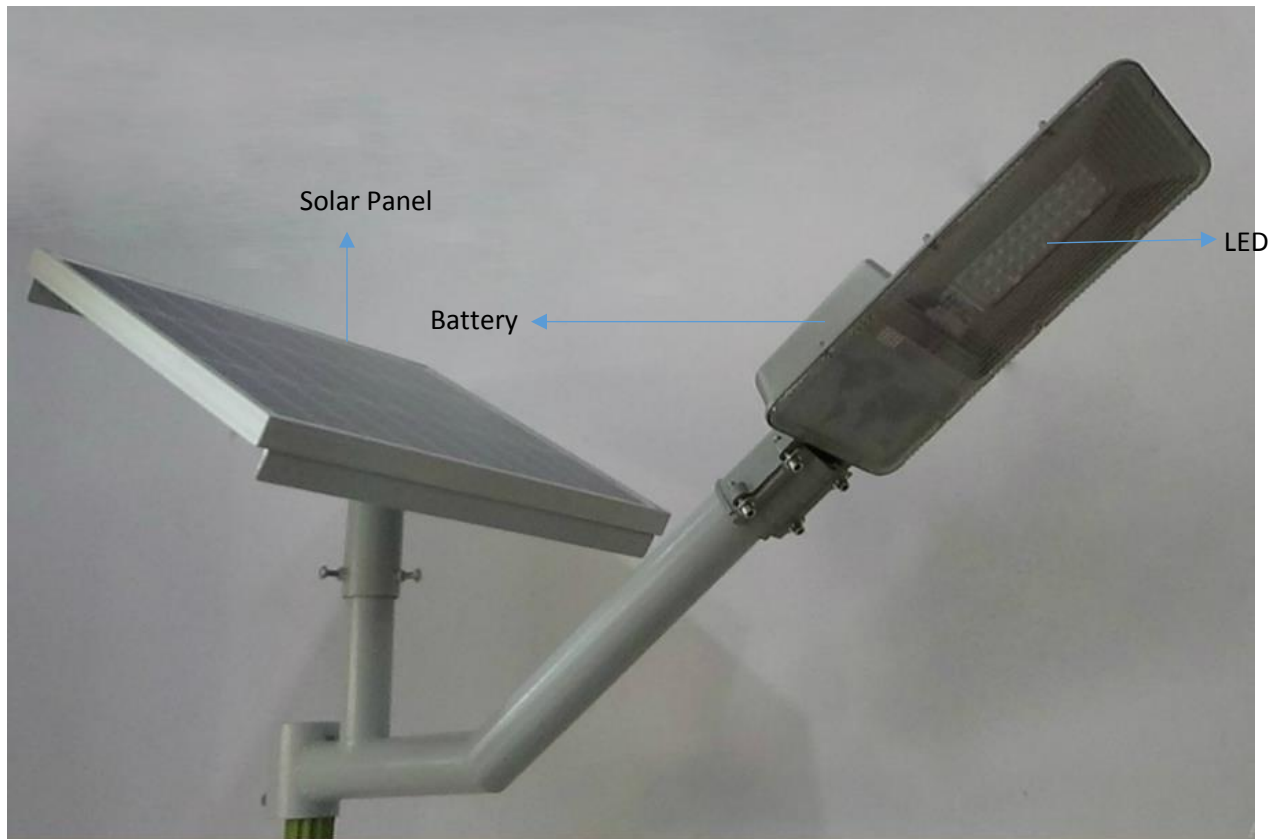
It is widely used in street and roads, residential areas, scenic spots, parks, private gardens, courtyard, parking lot, wildlife area and other public areas.

Technical Specification:

- Solar Panel with 40W and a life span of 25 years.
- LiFePO4 battery with a voltage of 3.2V.
- The battery capacity is 32Ah with a life span of 5-8 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/3200 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 6 Meters.
- Installation distance is 25 Meters.
- It can be installed on a Pole.
- Along with the product a J Clamp and 4 M8 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:

