

User Manual

Overview:

This is an Integrated Solar Premium Street Light with 90 Watt Solar Panel 30 Watt NICHIA LED with 5400 Lumens. It consists of 6.4 volts 70 AH LiFePO4 battery. Inbuilt MPPT controller helps in charging the battery faster and switching light ON/OFF. Light runs with 100% brightness for full night. LED Lens used in the light is Japan Teijin Chemicals PC outdoor optical lens with 93% light transmittance.

Solar Street light automatically turns ON/OFF depending on the light intensity. Light is switched ON when darkness is detected and is switched OFF when light is detected.

Advantages of Solar Premium Street Light 30W:

- Energy Saving: Transforms 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: Voltage Power Supply 6.4 Volts), safe than conventional energy sources. This product is very safe and reliable operation.
- This solar street light has got LiFePO4 battery which can withstand very high and low temperature. It is more efficient than Li-ion and lead acid 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.
- Elegant and Modern design. Can be used anywhere which gives a very rich look.

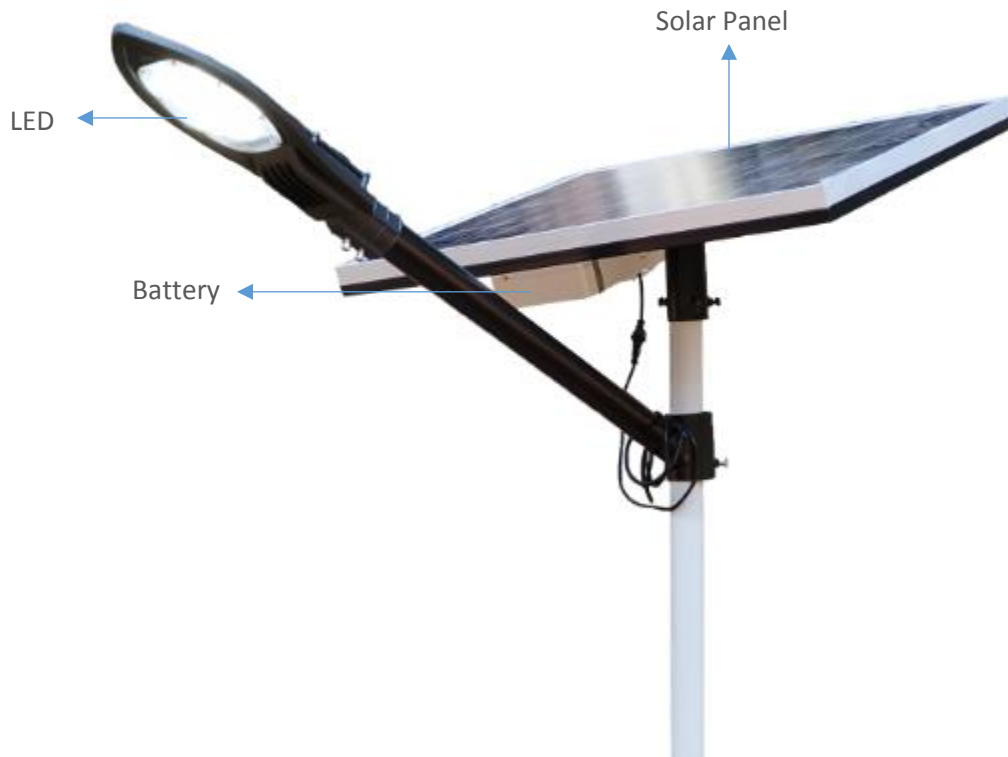
Application:

It is widely used in street and roads, residential areas, scenic spots, parks, private gardens and other public areas. It helps create safer environment and can increase people our door night activities.

Technical Specification:

- Solar Panel with 90W and a life span of 25 years.
- LiFePO4 battery with a voltage of 6.4V.
- The battery capacity is 70Ah with a life span of 5-6 years.
- The working time is 2 nights 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 30 W/5400 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 should be installed on a Pole.

- Along with the product bolts and nuts 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 3 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:

