

User Manual

Overview:

This is an Integrated Solar Street Light with 32 Watt Solar Panel 15 Watt NICHIA LED with 2400 Lumens. It consists of 3.2 volts 40 AH LiFePO4 battery. Inbuilt intelligent sensor control system helps in charging the battery and switching light ON/OFF. Light runs with 100% brightness for first 4 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.

Advantages of Solar Street Light 15W:

- 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: 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 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.

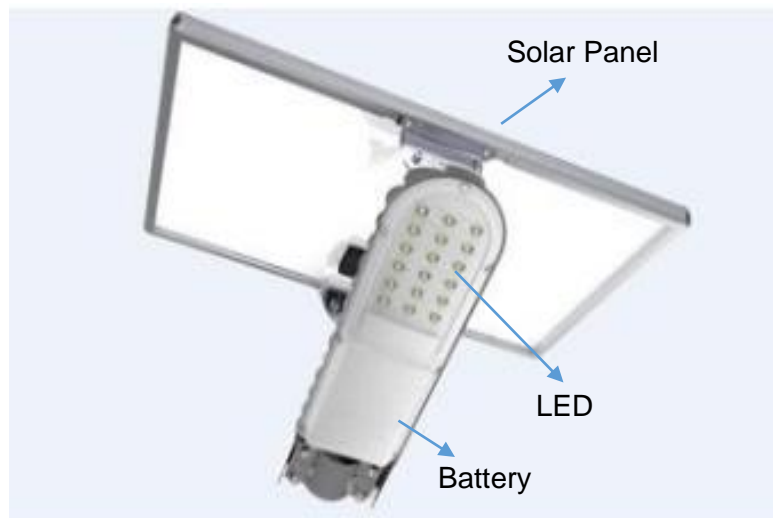
Application:

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.

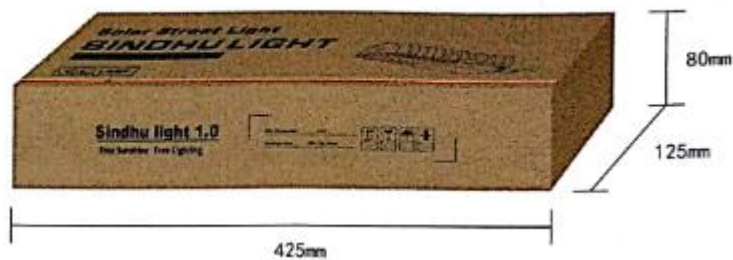
Technical Specification:

- Solar Panel with 32W and a life span of 25 years.
- LifePO4 battery with a voltage of 3.2V.
- The battery capacity is 40Ah with a life span of 5-8 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 15W and emits with a maximum power of 15 W/2400 Lumens (1W=160 Lumens).
- The lifetime of LED is >50000 Hrs with a viewing angle 120 deg.
- The color of the light is White/Transparent with a temperature of 5000-6000k.

Pictorial Representation:



Product Package:



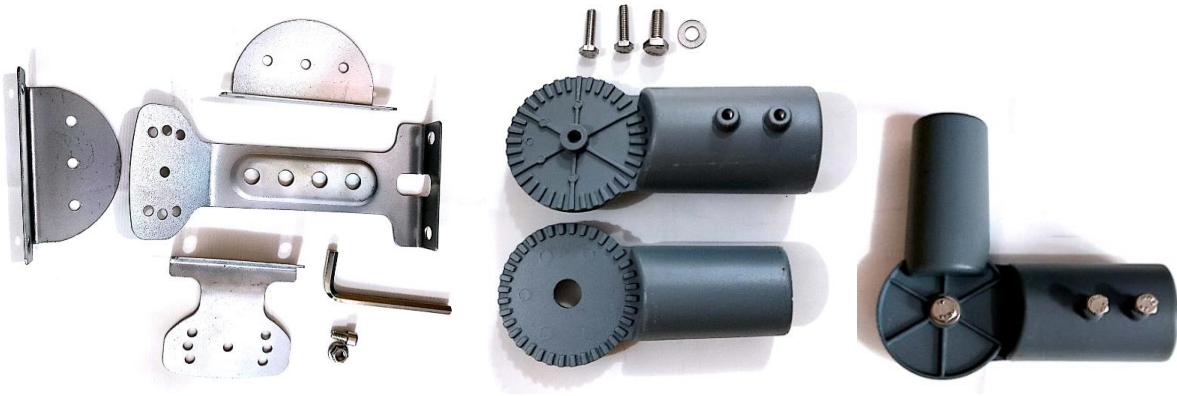
Product Diameter:



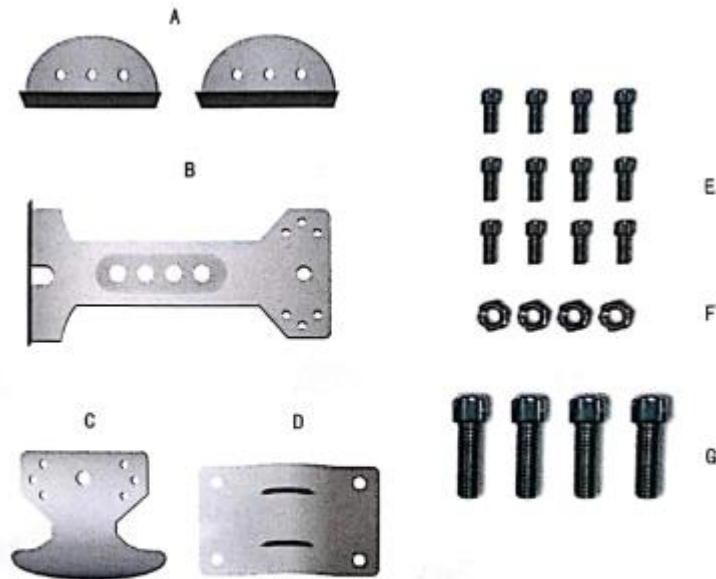
Solar Panel size is 585*362*25 mm

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 M6 & M8 Allenkeys & Clamps are included in the box.



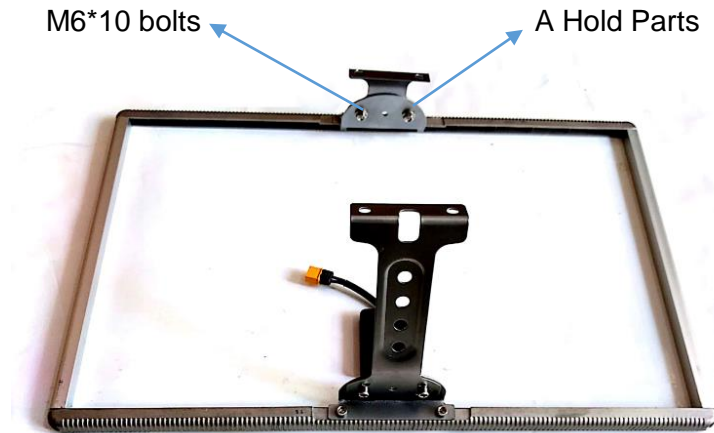
Accessories:



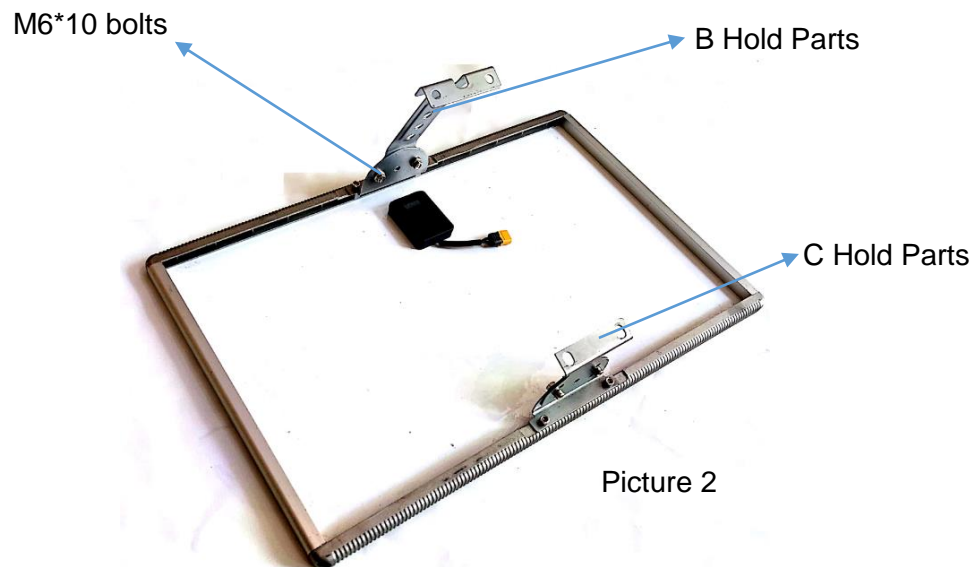
A Hold parts*2 B Hold parts*1 C Hold parts*1 D Clips*1
E M6×10 bolts*12 F M6 screw*4 G M8×15 bolts*4

Installation Instruction:

1. Using 4 pcs of E bolts connect A hold part to the solar panel, pay attention to the A hold part's angle (picture 1). Use the 5# allen wrench fasten the bolts.
2. After finishing install the 2 pcs A hold part, use 4 pcs M6*10 and 4 pcs F screw hold the B hold parts and C hold parts. B hold parts is near the junction of solar panel (picture 2). Make sure to fasten the screws with the 5# allen wrench.

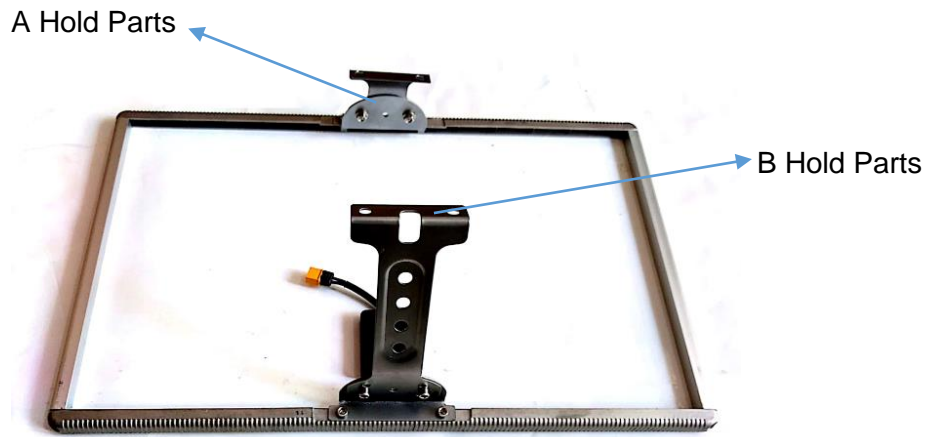


Picture 1



Picture 2

NOTE: B hold parts and C hold parts can exchange to adjust the panel angle, to meet the right position for the angle (picture 3 & 4).

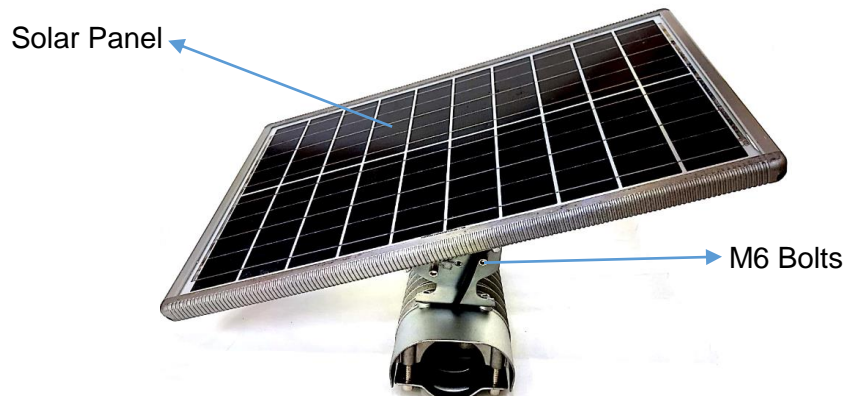


Picture 3



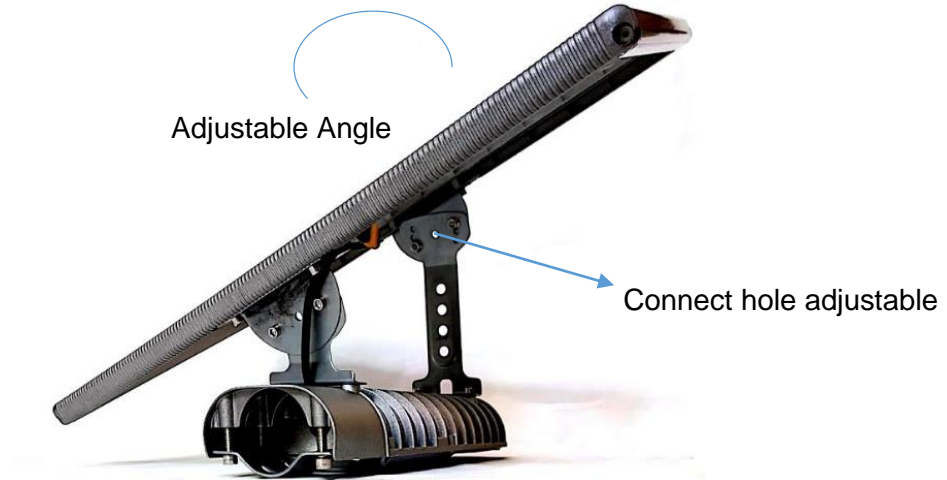
Picture 4

3. Hold the solar panel upto the LED lamp directly, use 4 pcs E M6*10 bolts and fasten the panel with LED lamp (picture 5).



Picture 5

4. If the solar panel angle needs to be changed, adjust the B and C hold parts. Connect the hole (picture 6 & 7).



Picture 7

5. Connect the LED lamp to the arm, use 4 pcs M8*15 bolts and fasten the clips with the arm. Before finishing the installation, change the LED lamp to the suitable position. Then use 6# allen wrench and fasten the bolts (picture 8 & 9).



Installation Completion
Diagram



Picture 9

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:



