

User Manual

Overview:

This is an Integrated Solar Home Light with 10 Watt Solar Panel 5 Watt NICHIA LED with 500 Lumens. It consists of 3.2 volts 10 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 ensures that it gives light throughout the night.

Advantages of Solar Home Light:

- 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 home 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 360-degree angle.
- This light has Radio frequency identification using which the light can be switched OFF and ON with any remote.
- 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 Non-electrified rural areas, as an emergency lighting system in housing and commercial establishments, car parking sheds and huts, resorts and other public areas. It helps create safer environment and this system is a clean source of illumination.

Technical Specification:

- Solar Panel with 60W and a life span of 25 years.
- Li-ion battery with a voltage of 3.2V.
- The battery capacity is 10Ah with a life span of 8-12 years.
- The working time is 1 night with a charging time of 5-8 hours.
- LED chip brand is NICHIA which has a wattage of 5W and emits with a maximum power of 5 W/500 Lumens (1W=160 Lumens).
- The lifetime of LED is >50000 Hrs with a viewing angle 360 deg.
- The color of the light is Cool White with a temperature of 5000-6000k.

Pictorial Representation:



Installation Details:

- Installation height is 4-5 Meters.
- Installation distance is 6 Meters.
- It can be hanged to a pole.

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 1 year 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:



Night Mode Photos:

