

主图 1-4

Solar Integrated Lamp

- ✓ Built-in intelligent controller, supporting the dual modes of "light sensing + timing".
- ✓ Electric shock protection and multiple safety designs.
- ✓ The infrared human body induction realizes intelligent automatic control by accurately sensing human activities.
- ✓ Monocrystalline silicon battery (20Ah-100Ah optional).

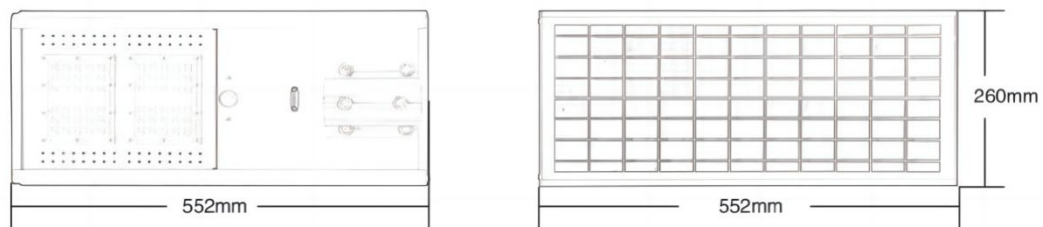
Product Introduction

- ✓ The lighting period can be set (e.g., 18:00-6:00), and the human body induction function of the controller can be used to achieve the effect of "the light turns on when people come and dims when people leave", dynamically optimizing energy consumption.
- ✓ The internal circuit is wrapped with a high-strength flame-retardant shell and a double insulation layer. Even if the outer skin is damaged, it can isolate the current, and there is no risk of electric leakage even in harsh outdoor environments such as humidity and dust.
- ✓ The Solar Integrated Lamp is equipped with an infrared human body induction system. By accurately sensing human activities, it realizes intelligent automatic control, improving safety and energy efficiency.



Technical parameters

Size	655mm×260mm×50mm
Effectiveness	98%
Total harmonic distortion	<15%
Working temperature	IP65
Wind resistance index	Normal temperature type:-20~+50°C Low temperature type:-45~+50°C
Lamp life	Grade 10 of wind resistance index
Installation height	6-7m



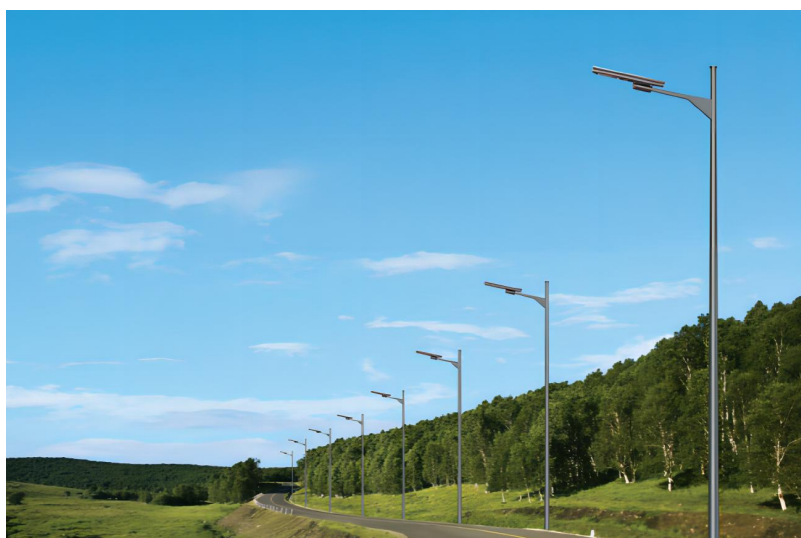
Ultra-Long Battery Life, All-Weather Intelligent Protection

The built-in intelligent controller in Solar Integrated Lamp supports dual modes of “light sensing” + “timing”:

Sunny Mode: High-efficiency charging during the day, and it can work continuously after being fully charged (calculated based on 10 hours of lighting per day);

Rainy Mode: Supports a battery life of 7-10 days, ensuring no fear of power outages during the rainy season, and stable output in low-temperature environments;

Custom Mode: The lighting period can be set (e.g., 18:00-6:00), and the human body induction function of the controller can be used to achieve "lights on when people approach, lights dim when people leave", dynamically optimizing energy consumption.



Electric Shock Protection

This product adopts multiple safety designs to completely eliminate the risk of electric shock and ensure the safety of users and equipment.

The Solar Integrated Lamp is equipped with a highly sensitive leakage sensor that can cut off the power supply within 0.1 seconds when abnormal current is detected, preventing the human body from contacting live components (such as when the equipment tips over in rainy days or the circuit ages).

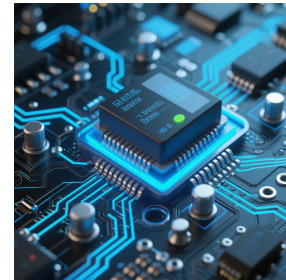
The control box reaches an IP65 protection level. The metal shell is grounded, so that in case of accidental electrification, the current is directly led into the ground, greatly reducing the probability of electric shock.



Infrared Human Body Sensing

1. High-Sensitivity Detection

The Solar Integrated Lamp uses an infrared sensor to identify human movement within a range of 0.1-5 meters. It effectively distinguishes between humans and small animals or environmental interference to avoid false triggers.



2. Adaptation to Lightless Environments

The Solar Integrated Lamp automatically activates in nighttime or low-light scenarios. Combined with a photosensitive sensor, it achieves "lights on when people approach, lights off when people leave" without manual intervention.

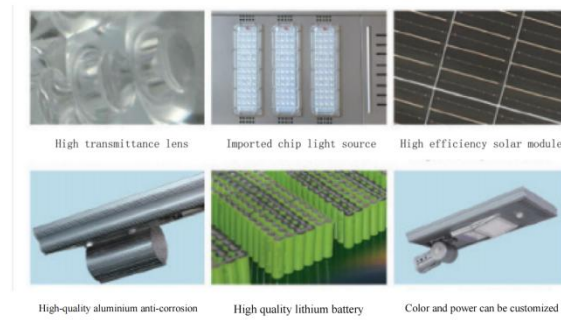
3. Privacy-Safe Design

The Solar Integrated Lamp only detects thermal radiation signals, without involving image or sound collection, thus avoiding risks of privacy leakage.

Product advantages

- ✓ The design is simple and elegant, with a strong sense of science and technology;
- ✓ High brightness, long service life;
- ✓ Energy-saving lighting, automatic brightness adjustment, self-contained photosensitive system, the brightness increases when it is close, and decreases when it is far away;

- ✓ It can achieve 365 days without turning off the lights, light weight, and easy to install.



About us

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