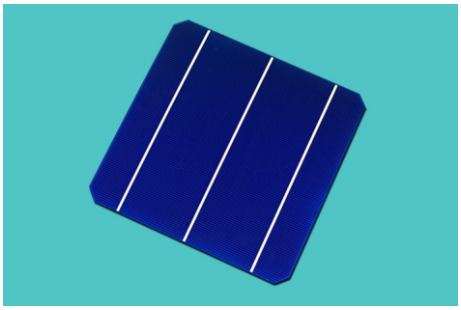
INTEFLY

Integrated Solar LED Street Light
Product Specification

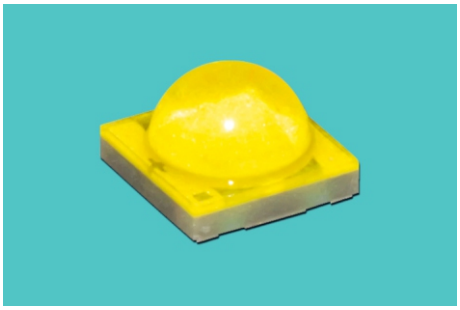
1. Brief Introduction

With technologies of photoelectric conversion, constant current control, MPPT, human infrared sensor and smartphone bluetooth control, our integrated solar LED street light mainly consists of solar panel, LED source, lithium battery, charge controller, PIR sensor and aluminum body.
The overall structure is simple and elegant, easy to install and maintain, and the application range is wide.

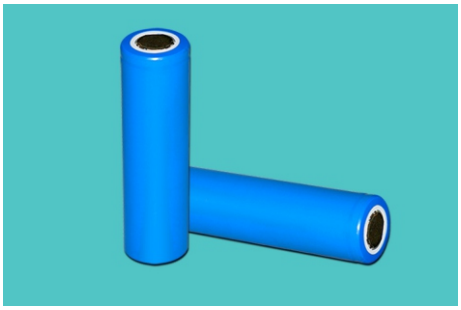
2. Components



Solar panel: High efficiency mono solar cell, photoelectric conversion efficiency up to 18%

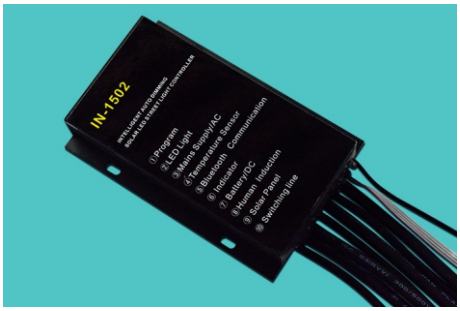


LED source: High bright A-class LED, luminous efficiency up to 180lm/w

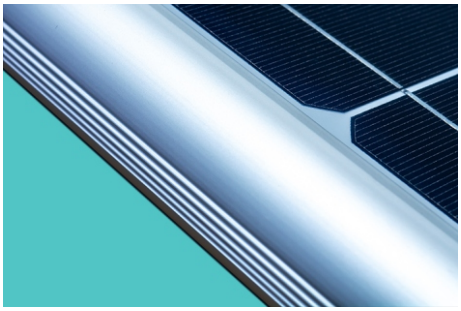


Battery: Power lithium ion battery, cycle times more than 1500

Lens: Integrated optical lens, batwing lighting curve, high transittance and durablity



Controller: Self-developed MPPT controller, higher charging efficiency and full protections



Housing: Aluminum alloy material, durable and anti-rust

3. Functions

- **Light control:** Check daytime/nighttime following the illumination of the real-time environment, and turn on/off automatically accordingly.
- **Time control:** Set different light brightness in different periods.
- **PIR sensor:** Automatically adjust the brightness by human infrared sensing to save the power.
- **Bluetooh APP:** Check the working status of light and adjust the original settings on the APP.
- **IP camera:** Real–time monitoring and save the monitoring data.
- **Pathway indicator:** Alert the drivers to pay attention by pre-indicating the front road status, especially in rainy or foggy days.

PS:Some functions are optional,please check the specific model,for more details.

4. Application

Wide range of applications: traffic road, highway, main street, outdoor parking lot, square, park and scenic spot etc.

5. Installation

(1).Installed in places with good sunlight, and make sure no cover above the solar panel
(2).Pole should be metal material and more than 2mm thickness. Installation steps as following

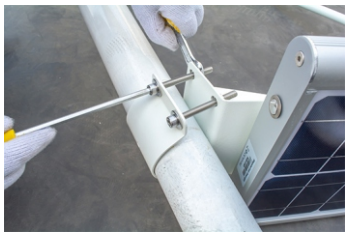
Type one:



Type two:




Type three:


6.Maintenance and warranty

(1).Maintenance

The first month after installation and later every 6 monthes:

Regularly clean the solar panel from dirt spots, dust or other things so as to assure the charging efficiency.
Regular maintenance is suggested to keep thght locking of screws on the pole.

(2).Warranty

Product Warranty: We provide **5** years warranty

Disclaimer Declaration:

- The manufacturer shall not be responsible or liable for failure to perform all or any portion of this specification due to earthquake, flood, thunder or other natural hazards, and fire disaster which not caused by our products.
- The manufacturer shall not be responsible for damage and loss casued by any unforeseen events such as theft, traffic accidents.
- The manufacturer shall not be responsible for loss which not complied with this product manual.
- The manufacturer shall not be responsible for loss which caused by use in conjunction with irrelevant products.

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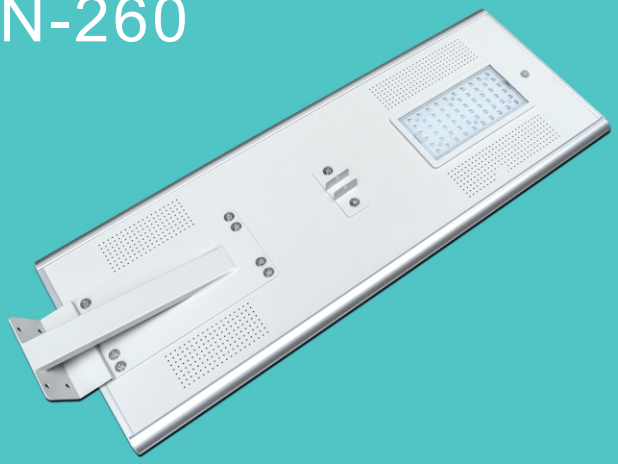
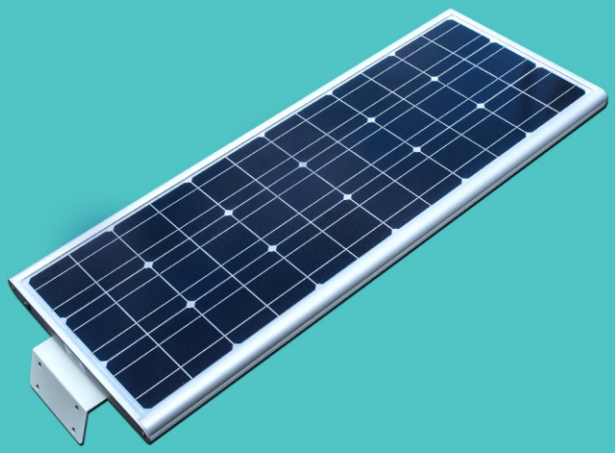
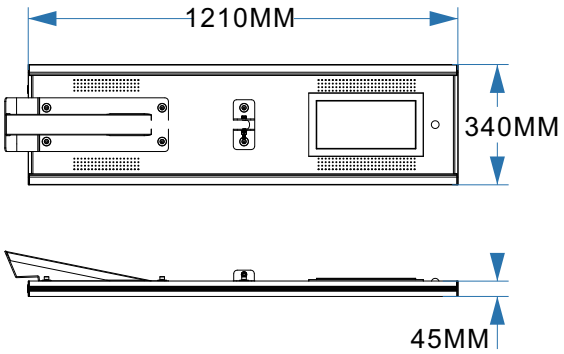




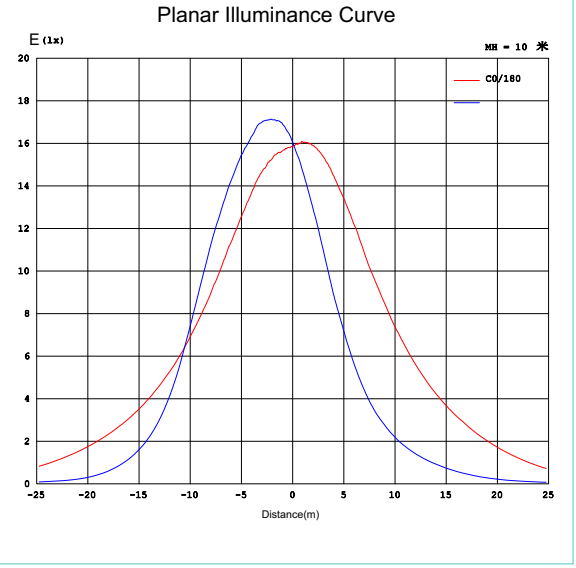
Electrical Characteristic

Rated Power	60W
Solar Panel	18V/60Wp monocrystalline
Lithium Battery	12V/30AH, BN, 5 yrs
Charging Time	6-7 Hrs
Discharging Time	5-7 days, 12 hrs per night
Working Temperature	-30 to 60 degrees
Switch Threshold	15LUX
Sensing Distance	≤12M



LED Parameters

LED	USA Bridgelux 45mL
Lumen Flux (LM)	9000 LM
Luminous Efficiency (LM/W)	130-150LM/W
Light Distribution	Batwing Type
Color Temperature (CCT)	2700-7000K



Mechanical Specification

Material	Aluminum Alloy + PC Lens
Ingress Protection	IP65 Waterproof
Installation Height	6-7.5M
Tilt Angle	15 to 30 degrees

Packing Dimension

Packing Type	1pc/carton
Packing Size	1345x390x195MM
Gross Weight	18.1KG

Functions

PIR Sensor
Light Control / Time Control
Bluetooth APP
Percentage monitoring of battery and can adjust brightness of the LED