



150W INTEGRATED SOLAR STREET LIGHT SPECIFICATION



Urban Trunk Roads



Electrical Characteristic

Rated Power	150W
Solar Panel	18V/130W
Lithium Battery	12V/96AH
Charging Time	6-8H
Discharging Time	>36H
Working Temperature	-25°C~+65°C
Switch Threshold	15LUX
Sensing Distance	≤12M

LED Parameters

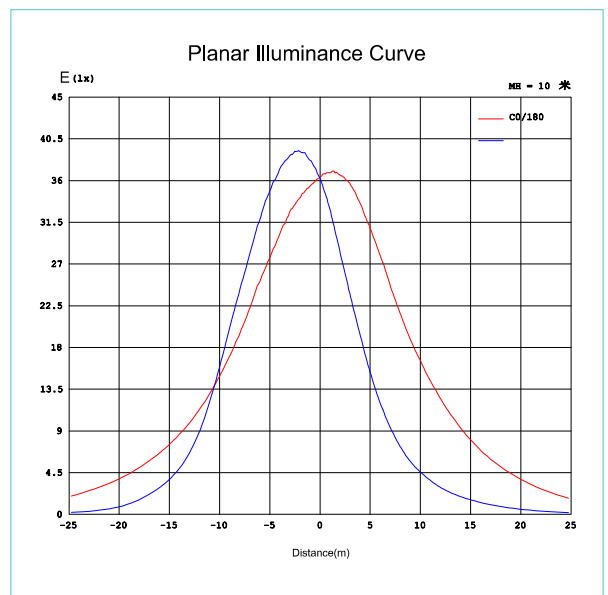
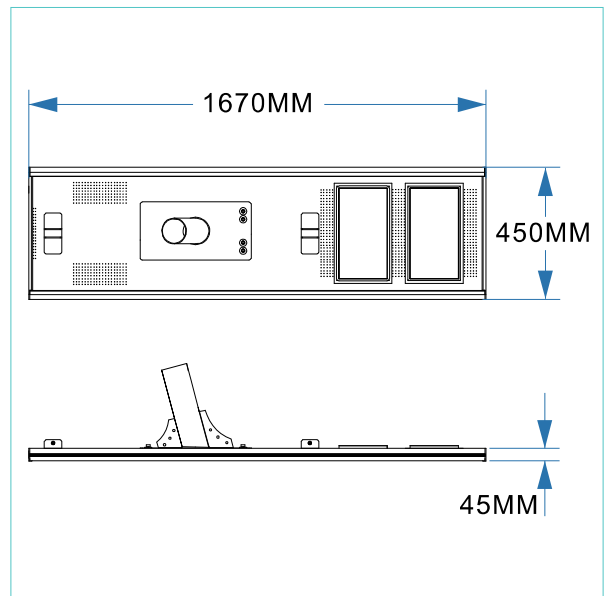
LED	120pcs 5050 LED
Lumen Flux (LM)	15600-18000 LM
Luminous Efficiency (LM/W)	100-120LM/W
Light Distribution	Batwing Type
Color Temperature (CCT)	2800-6500K

Mechanical Specification

Light Body Size	1670x450x45MM
Net Weight	26.5KG
Installation Height	10-12M
Pole Distance	30-36M

Packing Dimension

Packing Type	1set/2carton
Light Packing Box	1740x525x120MM(26KG)

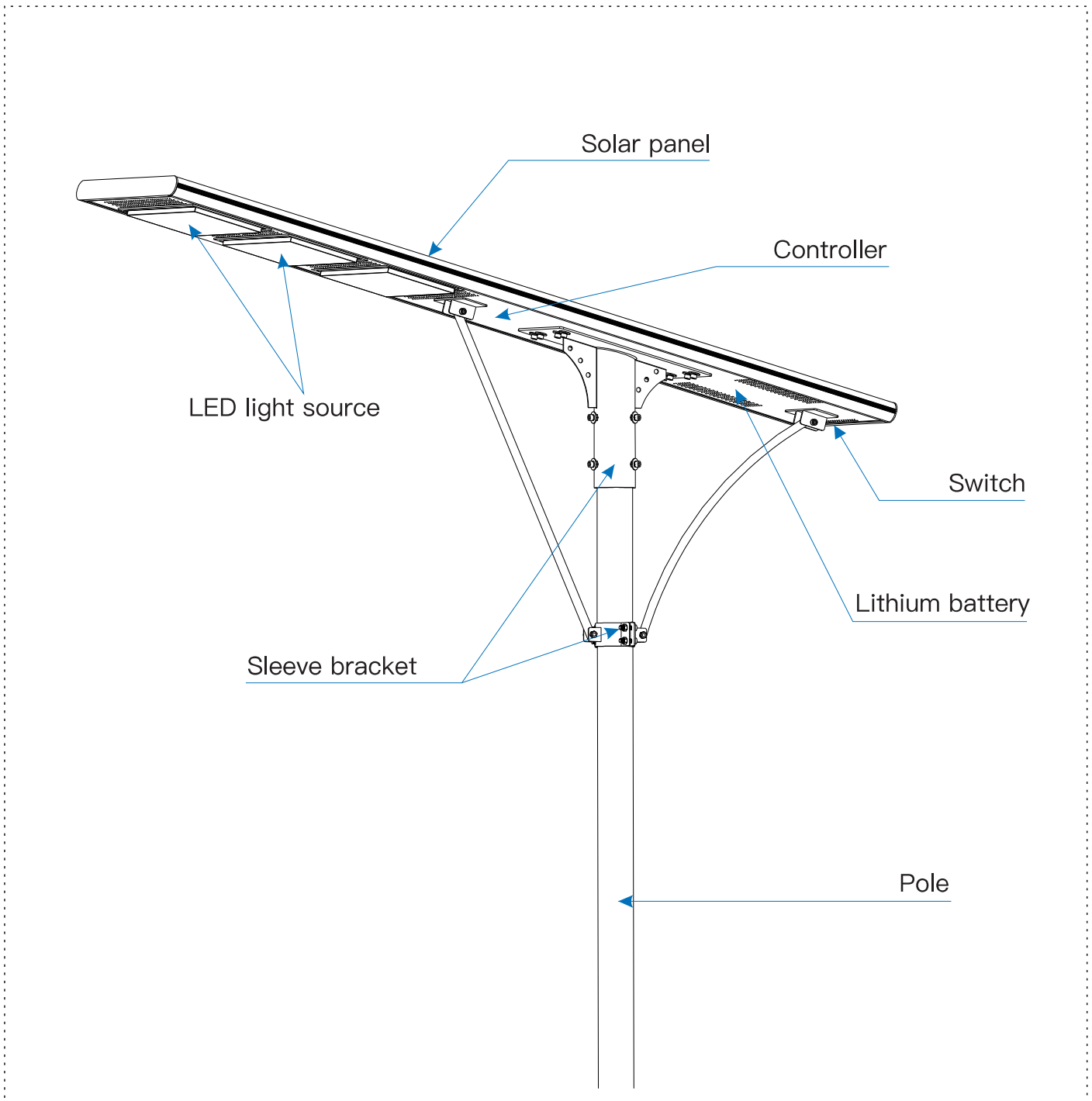


Functions

- Light Control/Time Control
- Bluetooth APP

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.



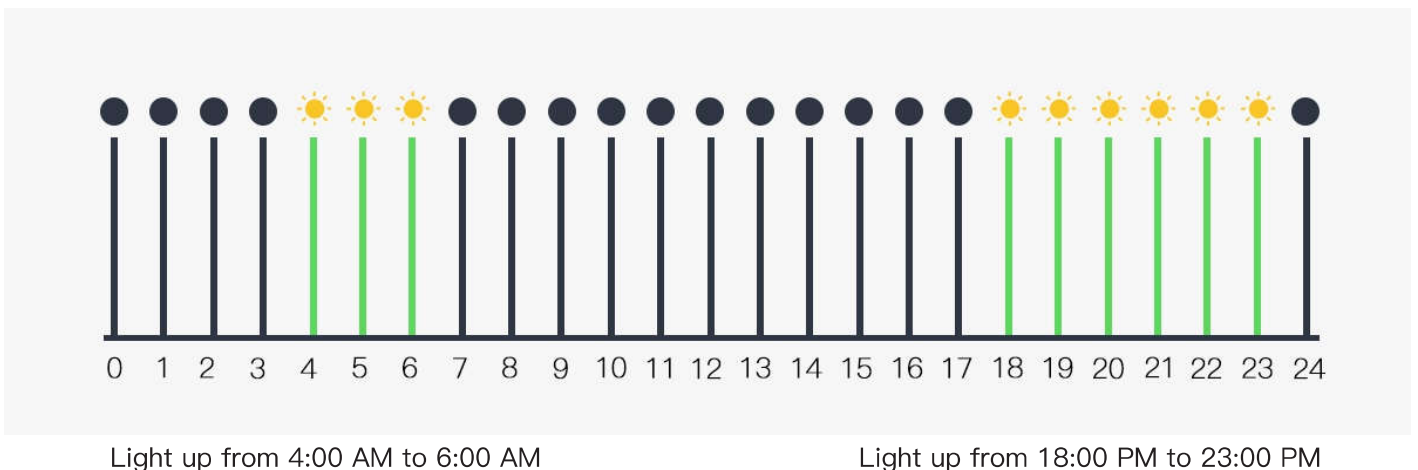
(Schematic drawing)

2. Functions

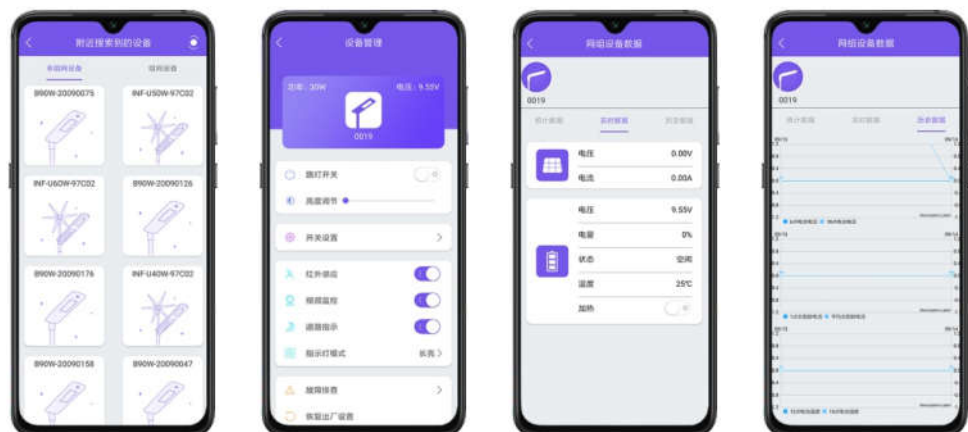
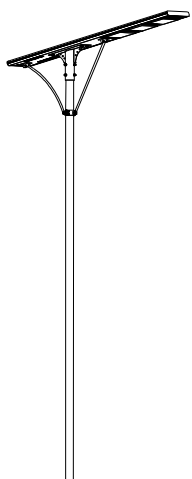
(1). Light control: the street light can automatically turn on/off by checking whether it is dark/bright according to the brightness of the current environment.



(2). Time control: set different brightness in different period of time.



(3). Mobile phone Bluetooth app control: check the current state of the street light on the mobile phone in real time and reset various parameters of the street light. The product can support Bluetooth networking group control (optional).



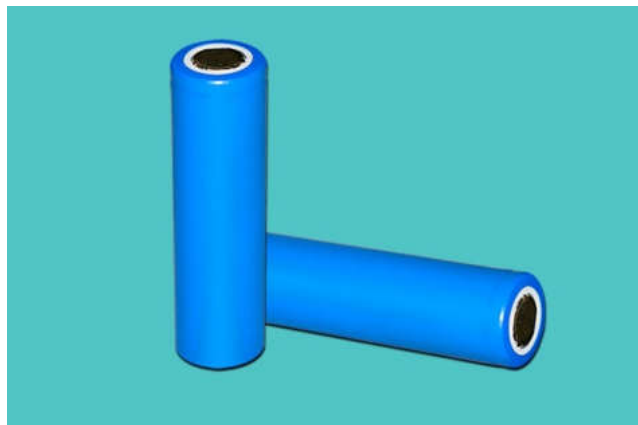
2.Components



Solar panel: High efficiency monocrystalline solar cell, photoelectric conversion efficiency up to 21%



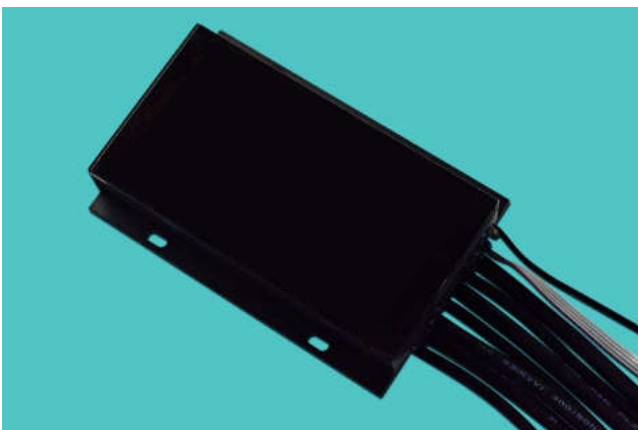
LED source: High bright A-class LED, luminous efficiency up to 200lm/w



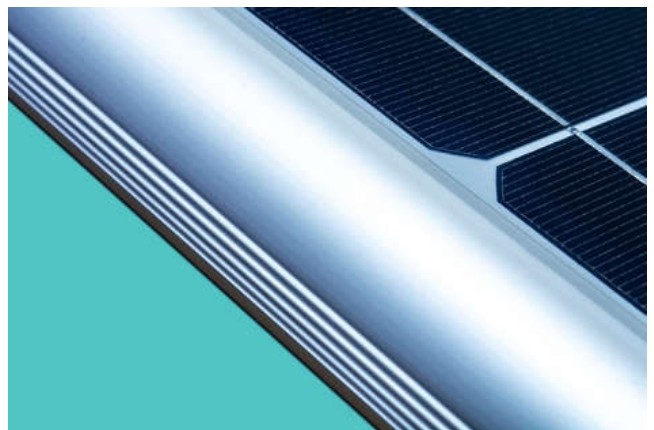
Battery: Power lithium ion battery, cycle times more than 1500



Lens: Integrated optical lens, batwing lighting curve, high transmittance and durability



Controller: Self-developed MPPT controller, higher charging efficiency up to 97% and full protections



Housing: Aluminum alloy material, durable and anti-rust

5. Installation

- (1). Installed in places with good sunlight, and make sure no cover above the solar panel
 (2). The inner thickness of metal pole is more than 2mm, and the outer diameter is 65–80mm.
 The installation method is as follows



6. Maintenance and warranty

(1). Maintenance

The first month after installation and later every 6 months:

- 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 tight 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 caused 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.