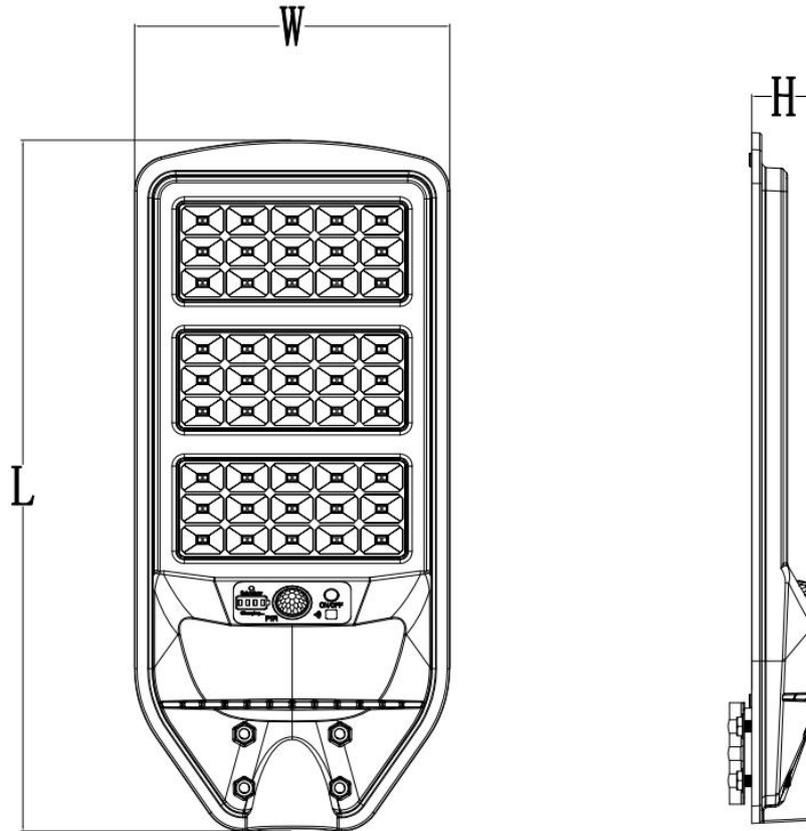


TECHNICAL DATASHEET

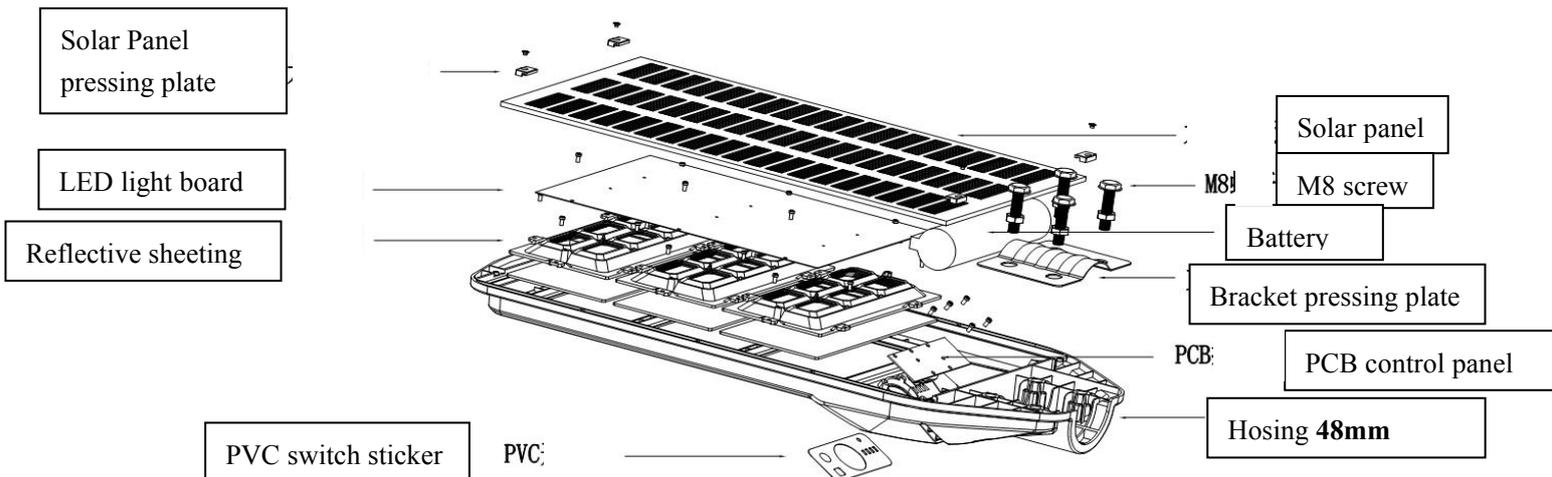
SONORA SOLAR LED STREET LIGHT SERIES



Product structure drawing



Product explosion diagram



Product Model

Name	Parameter	
	120W	200W
Battery: LiFePO4	3.2V-12AH 3x26700	3.2V-18AH 5x26700
Solar power	12W	20W
Lumen(max)LM	1800LM	2700LM
LEDs	SMD3030-90PCS	SMD3030-150PCS
Lamp body Size(W*L*H)m m	511*231*47mm	722*251*47mm
Solar Panel Size(W*L*H)m m	397*211*4mm	608*231*4mm
Sensor Mode	PIR Sensor (Human Sensor) annotate and comment on 1	
Installation height	3-6m	
Maximum Sensing Distance	12m@ Environment temperature 25℃	
Sensing angle	120°	
Working time	12-14H	
Lighting Control	Charge during the day (>10lux) & light off, discharge at night (<5-10lux) & light on	
Charging Time	Normal illumination 4-6hours (>40000lux)	
Number of Charging Cycles	>1200 times	
Material and Color	ABS, Black	
IP rating	IP65	
Temperature and Humidity	Temperature: charge above 5℃, discharge above -10℃ Working humidity: 95% RH	

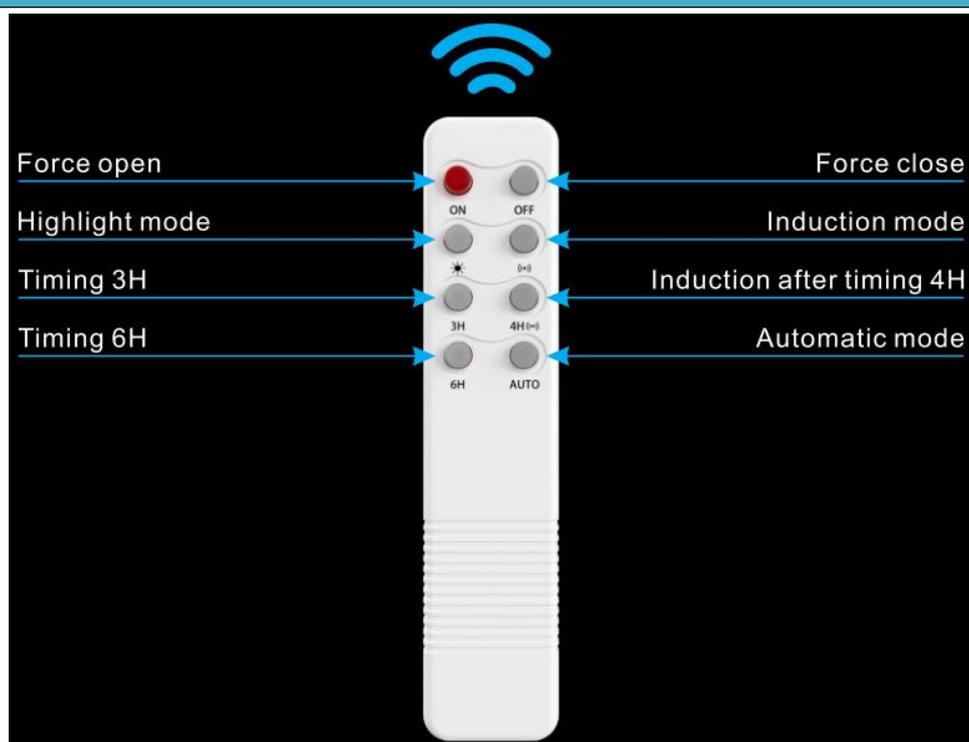
Note 1: Precautions for use of human body sensor

1) 、 The best working environment for human infrared sensing is 25 ℃, the sensing sensitivity and sensing distance is the best; when the difference between the human body temperature and the ambient temperature is very small, the sensitivity of human infrared sensing lamps will be reduced, the sensing distance becomes shorter, which is a normal phenomenon.

2) 、 Human infrared sensing cannot be blocked by something, and being blocked will cause the sensing to fail.

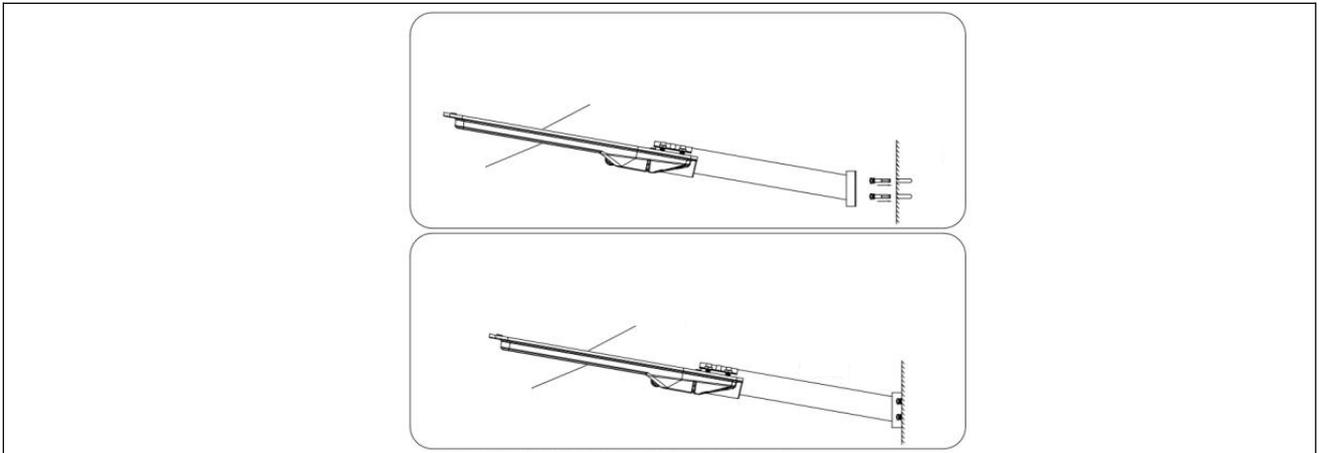
3) 、 Infrared detects body temperature, not speed or movement.

Product function



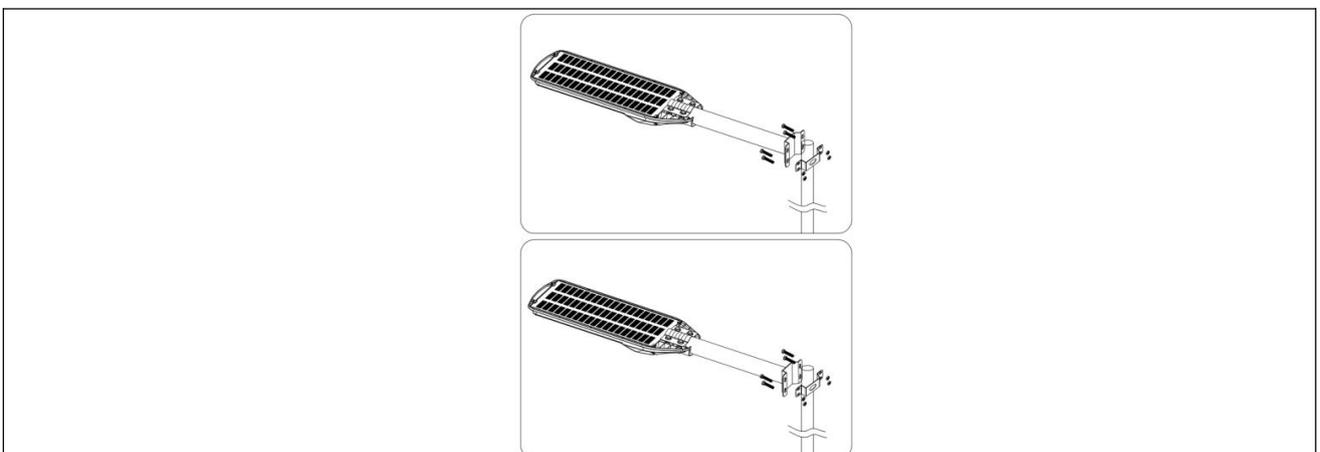
Key	Function	Validity	Valid conditions	Detailed description
【ON】	On	Single/without memory	Day and night	100% brightness and slowly decrease brightness, about 12-14 hours to light off.
	Permanent power off cancellation	Single/without memory	Day and night	When the light is off, press [ON] to cancel the permanent power off.
【OFF】	Off	Single/without memory	Day and night	Light off
	Permanent power off	Every day /with memory	Day and night	Keep press OFF key for 3seconds, the lamp will be OFF and still can be charged, but can not light ON unless press the "ON" key.
☀	High light	Single/without memory	Day and night	Press the key when the light is on, 165% brightness and not slowly decrease brightness. About 3 hours to light off.
)))	PIR Induction mode	Single/with memory	Night	PIR sensor mode, 5% brightness with nobody within sensing range, when someone pass by with 165% brightness.

2、 Wall mounting



- 1、 Mark the mounting holes on the wall to be installed and drill the holes with an inflatable drill.
- 2、 Drive expansion screws into the wall.
- 3、 Align the mounting holes and secure the light to the wall.

3、 Pole mounting



- 1、 Secure the bar with the bracket at the location where it needs to be mounted.
- 2、 Screw through the base and bracket and tighten the nut to complete the installation.

Important Notice

- ★ Please keep the installation tools away from children.
- ★ Please do not throw the lamp away because it contains batteries which is recyclable.
- ★ The product is strictly prohibited to be placed on fire because it contains batteries and it might cause explosion.
- ★ Please do not connect to 110/220V alternating current to avoid damage to the lamp.
- ★ Please install on a flat and stable surface, and fix the photovoltaic panel and the lamp body to prevent from hurting people by wind or other reasons .
- ★ In order to keep the lighting effects, please clean up the dust or debris on the surface of the photovoltaic panel every 3-4 months.
- ★ In autumn, winter, continuous cloudy or rainy days, the charging effect will be weakened and the lighting time will be shortened, which is normal.
- ★ Avoid installing lamps near air conditioners, heating objects, or high-voltage power grid systems.