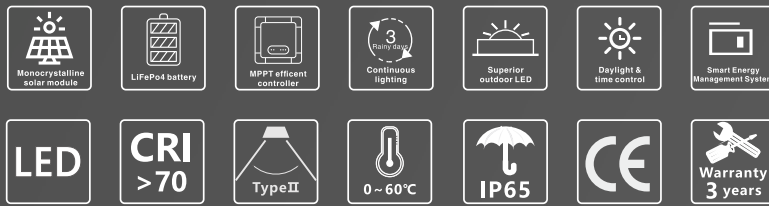




Signcomplex | light and smart

A Series

Solar Street Light



Description



- The lamp cap and solar panel are separated, and the power of solar panel is not limited, which can be applied in different scenarios. Heights of the lamp pole are 4m-6m-8m-10m-12m.
- Using monocrystalline silicon PV panel, the conversion efficiency is more than 21%. With built-in LiFePo4 battery pack and MPPT technology, the product can better deal with complex climate changes.
- The product adopts optical and time control, high efficiency and energy saving.
- Optional sensors, IoT and other devices, combine with intelligent power system, to maximize the use of working timeliness, which makes the product keep working for more than 3 rainy days.

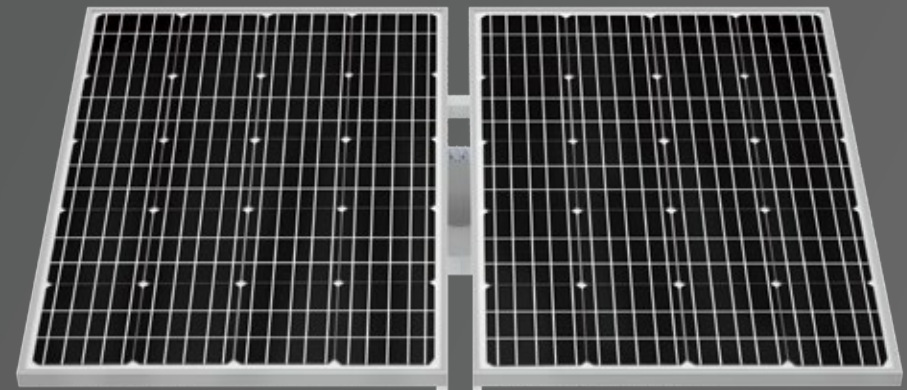
Feature



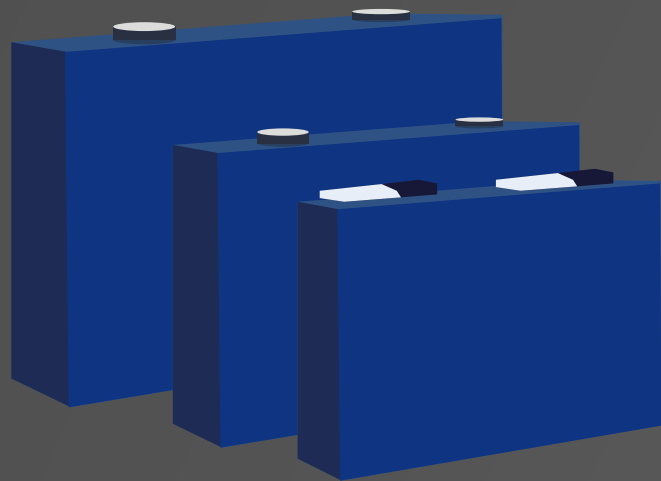
01 Ultra high brightness brand LED chip with professional optical design, high luminousness and well-distributed light

02 Using high-efficiency monocrystalline silicon PV panel

- ◆ the conversion efficiency is more than 21%
- ◆ the 10-year life attenuation is less than 10%

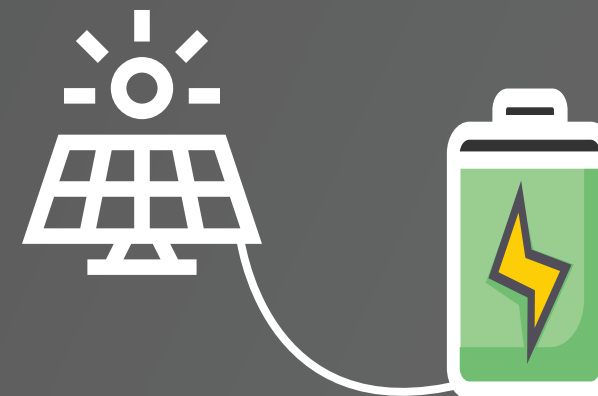


Feature



03 LiFePo4 power-grade battery pack

04 The product adopts MPPT controller, which can better deal with complex climate changes and has higher conversion efficiency



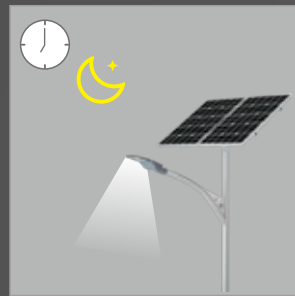
Feature

05

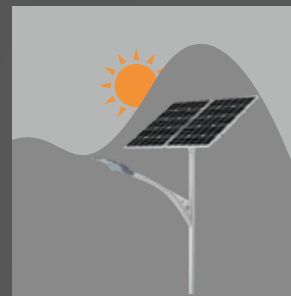
Optical and time control, can more accurately identify the start and stop conditions, high efficiency and energy saving



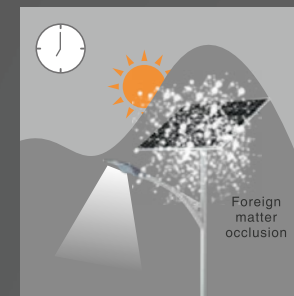
During the day, the light goes out and the battery is charging



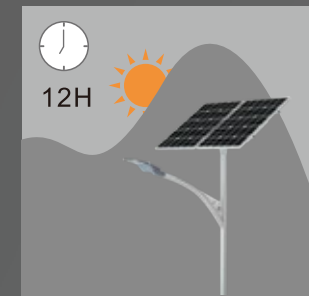
Ambient light at night $\leq 8\text{LUX}$. Light is on and time control opens



Ambient light in the morning $\geq 10\text{LUX}$. Light goes out and time control closes



Ambient light in the morning $\geq 10\text{LUX}$. Abnormal light sensing detection, switching time control



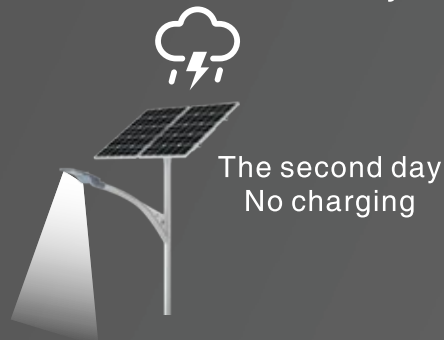
Start timing from the light is on. After 12 hours, time control is forced to close

06

The working time limit can be maintained for more than 3 rainy days



First day
No charging



The second day
No charging



The third day
Normal lighting

Feature

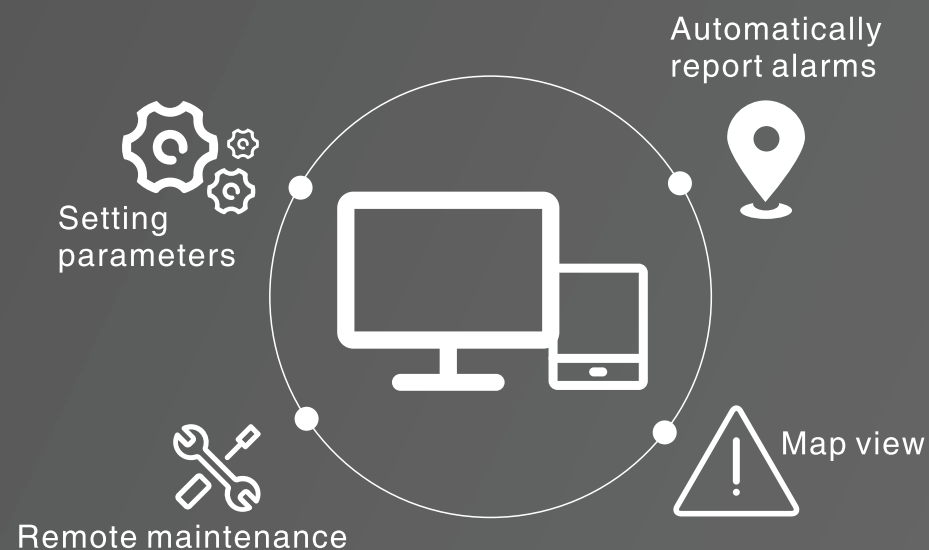
07

Intelligent power management system can effectively solve energy waste and other problems by setting the power output ratio in different periods

■ Microwave Sensor



■ IoT Control System



Application

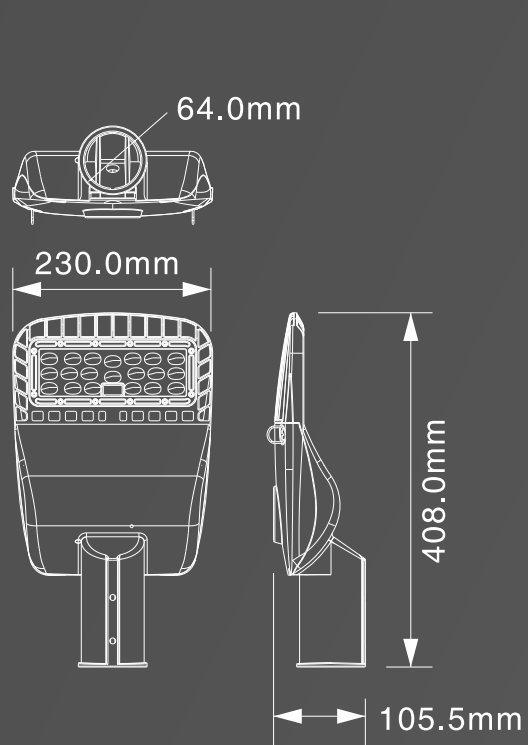
- Roads
- Sidewalks
- Parking lots
- Factories
- Parks
- Squares
- Courtyards



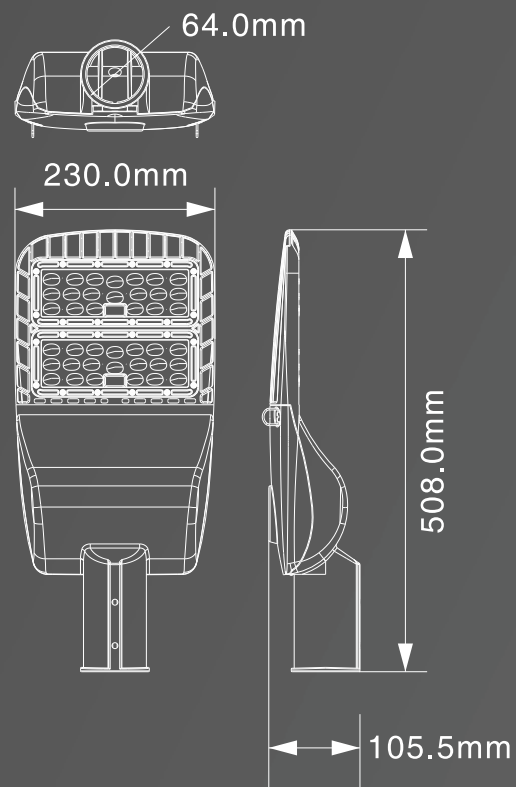
Parameters

Model	CCT	Lumen(lm) ±10%	Beam(angle) ±10%	LEDs type CRI	PV panel power	PV panel type	Battery specifications
SLA-040-D1-60K-CA200 SLA-040-D1-40K-CA200	5500-6500K 3700-4300K	6000	TypeII	SMD5050 Ra > 70	120W	Monocrystalline	LifePo4 460Wh
SLA-060-D1-60K-CA200 SLA-060-D1-40K-CA200	5500-6500K 3700-4300K	9000	TypeII	SMD5050 Ra > 70	150W	Monocrystalline	LifePo4 640Wh
SLA-080-D3-60K-CA200 SLA-080-D3-40K-CA200	5500-6500K 3700-4300K	12000	TypeII	SMD5050 Ra > 70	120W*2	Monocrystalline	LifePo4 896Wh
SLA-120-D3-60K-CA200 SLA-120-D3-40K-CA200	5500-6500K 3700-4300K	17000	TypeII	SMD5050 Ra > 70	150W*2	Monocrystalline	LifePo4 1433Wh

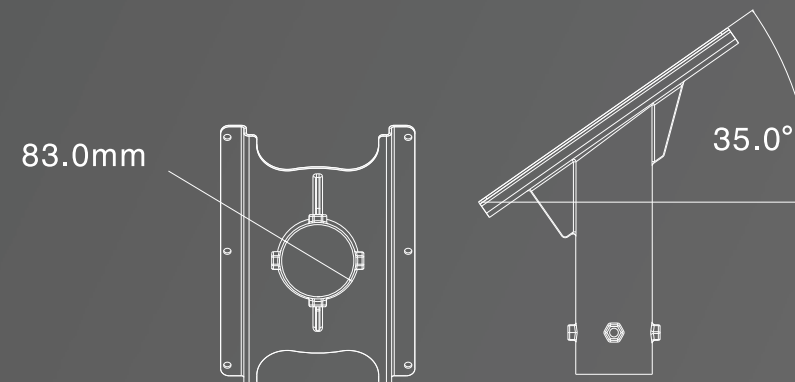
Dimension



40~60W

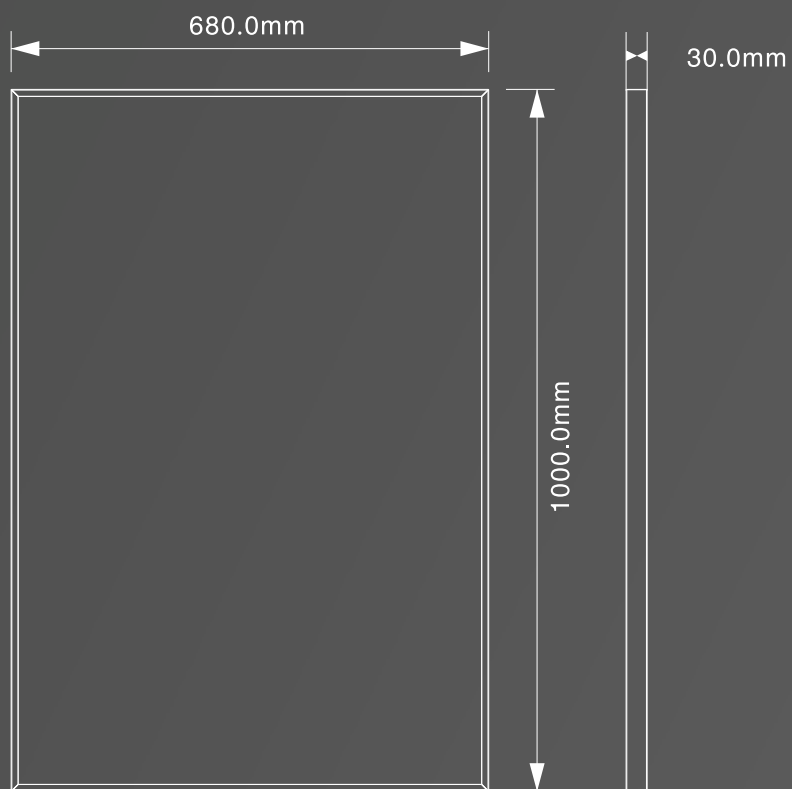


80~120W

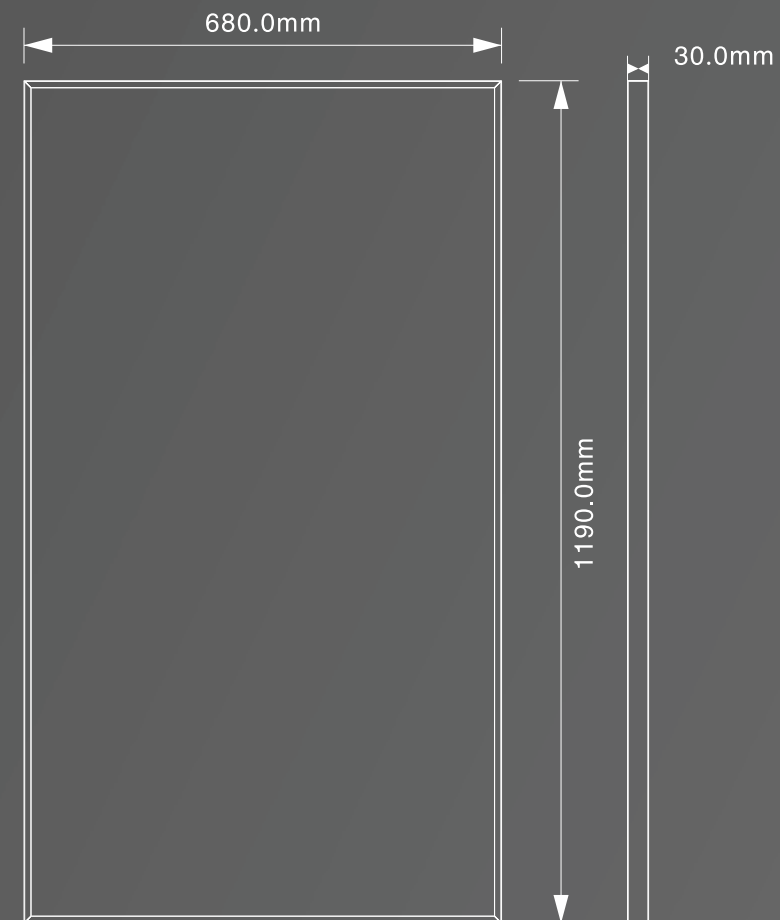


40~120W

Dimension



40~60W



80~120W

Packaging Information

Name	Model	Net weight	Box size	QTY/Box	Gross weight/ Box
Lamp pole socket bracket	SLA-040/060/080/120	3.30Kg	415*260*305mm	2pcs	10.0Kg
	SLA-040/060	5.40Kg	930*680*060mm	2pcs	11.0Kg
PV panel bracket	SLA-080	6.30Kg	1400*540*060mm	2pcs	13.0Kg
	SLA-120	6.80Kg	1400*630*060mm	2pcs	14.0Kg
Solar PV panel	SLA-040/080	6.90Kg	1010*165*069mm	5pcs	37.0Kg
	SLA-060/120	8.50Kg	1200*165*069mm	5pcs	46.0Kg
Lamp cap	SLA-040/060	1.90Kg	460*300*260mm	2pcs	2.90Kg
	SLA-080/120	2.40Kg	560*300*260mm	2pcs	3.40Kg
	SLA-040	7.00Kg	430*325*240mm	2pcs	15.3Kg
Battery pack	SLA-060	7.30Kg	430*325*240mm	2pcs	16.0Kg
	SLA-080	11.6Kg	520*370*240mm	2pcs	25.0Kg
	SLA-120	16.6Kg	520*430*140mm	1pcs	18.0Kg