PBOX®

www.pboxlighting.com



X4S (Split Type)
Solar Street Light

CE | CB | RoHS | IP66 | IK08

- Double-Sided Solar Panel
- Efficient Controller
- LiFePO4 Li-ion Battery
- Motion Sensor
- Superior Outdoor LED
- Robust Structure
- IP66 Waterproof



150/200W

Simple Design, Superior Quality

X4S series is a brandnew design developed by PBOX team. The solar lighting system integrates bifacial solar panels with high conversion efficiency, high luminous LED lamps, long life and environment friendly batteries with intelligent battery management system, and stable and intelligent controllers.

With such a smart and compact design, the X4S is very easy to install, maintain and transport, providing users with a very convenient off-grid lighting solution.

Simple Installation, Extremely Practical

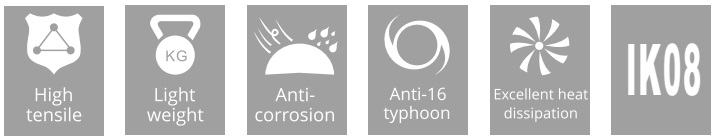
The PBOX X4S stand-alone solar street lights are very simple to use, no separate battery pack required and no complicated wiring or settings. All you need to do is to attach it to the post with some screws. That is all.

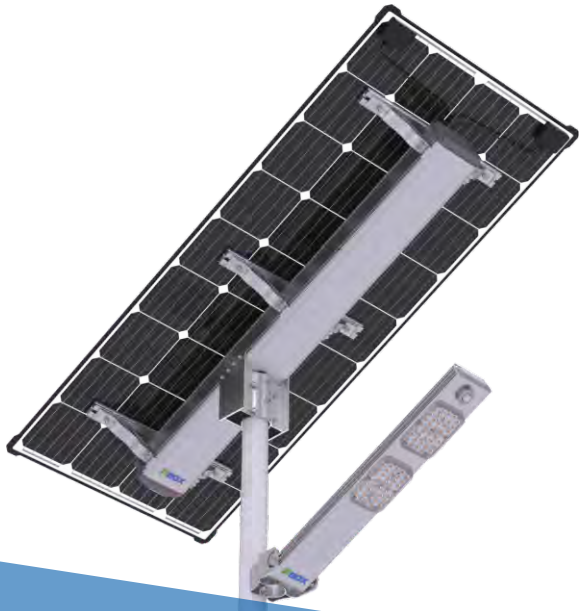
The X4S will switch on automatically at dusk and switch off automatically at dawn. When there is no one around, it will dim itself to reduce energy consumption; when any one approaches, it will increase its brightness to 100% immediately.



Solid & Reliable Bracket Structure

The high strength 6063 aluminium alloy, corrosion resistant anodized surface, and special structure design, makes the bracket strong, secure and reliable.





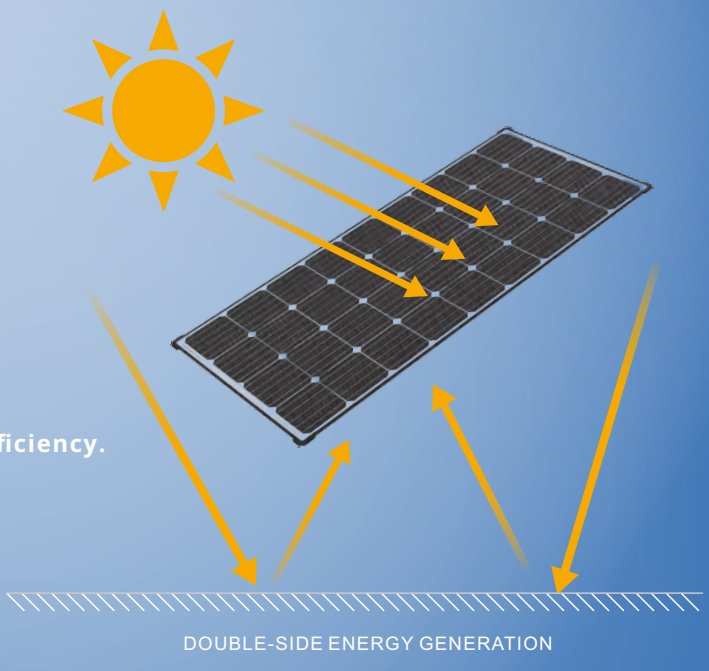


Efficient Double-Sided Solar Panel

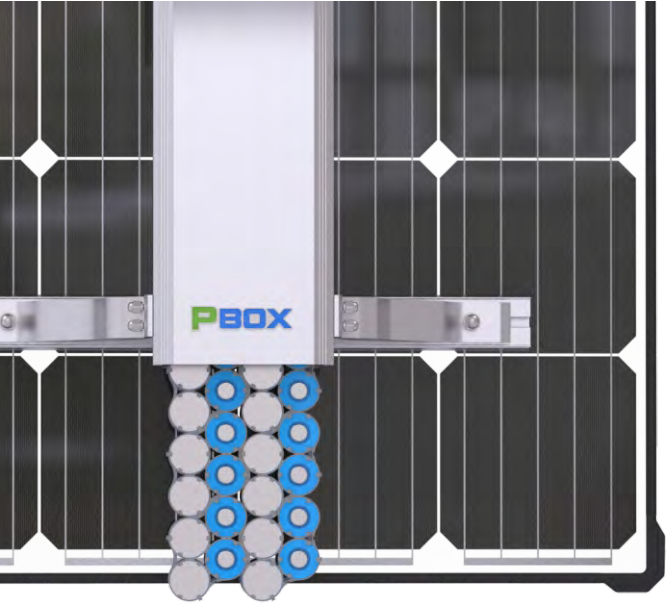
X4S uses the unique designed double-sided PV module and tempered glass on the panel, which minimizes the risk of degradation of the panel, enabling long-term use.

- **Bifacial solar module, more energy generation.**
- **Mono-crystalline solar panel, Up to 22% conversion efficiency.**





PBOX®



LiFePO4 Li-ion Battery

Green and environmental-friendly LiFePO4 Li-ion battery. The battery can charge and discharge over 2000 times.

Overcharge & over-discharge protection, Stable performance, high temperature resistance.

- 8 YEARS — Over **8** years battery life span
- **2000+** times charge-discharge
- Eco-friendly lithium battery

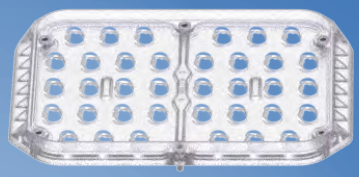


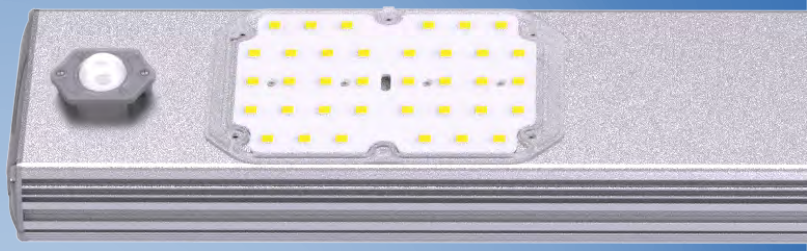
High Efficient LED

Using high-efficiency LED, luminous efficiency is up to 190lm/W (@25 C). The lights sealing lens is made of strong anti-ultraviolet PC, which has anti-aging and anti-impact performance, enabling long term usage.

The unique design of the optic lens, allows us to eliminate the lighting pollution to the environment.

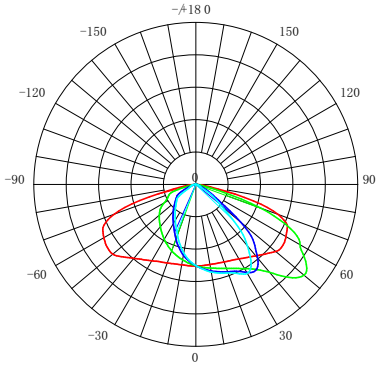
- High luminous Efficiency
- Long life span
- Low heat emission
- Stable and prolonged 100 lumen output



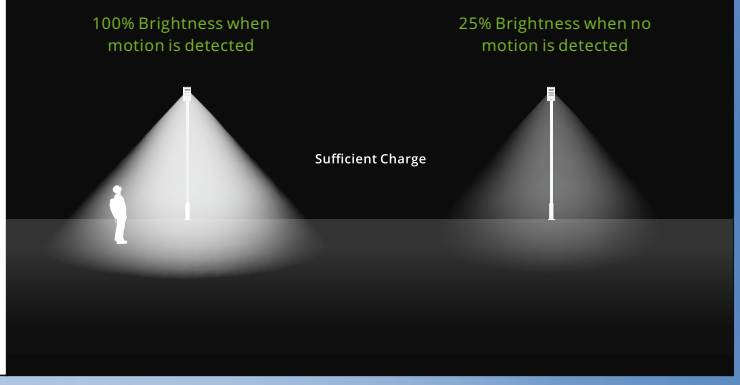


Bat Wing Light Distribution

The new lens design improves the lighting effect and lighting uniformity, while also increasing light coverage.



PBOX X4 comes complete with built-in motion detection system that automatically regular the light source from full bright to dim mode to increase battery autonomy.

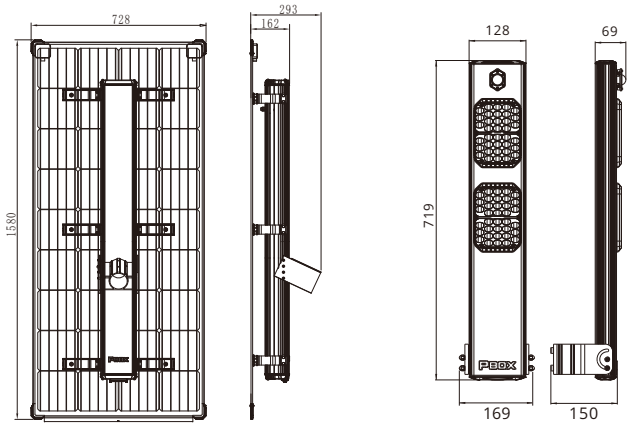


X4S Series Solar Street Light
Specifications

Model No.	X4S200W-SL60
PV Module Parameters	
Power of PV Module (W)	200
Lithium Battery Capacity (Wh)	1229
Dimension of Product (mm)	1580×728×315
Net Weight of Product (kg)	35
Light Photosensitivity (lx)	30
Packing Parameters	
Dimensions of Product (mm)	1630×220×800
Gross Weight of Product (kg)	38
Qty Per Carton (pcs)	1
Environment Requirement	
Charge Temperature	0℃~51℃
Discharge Temperature	-20℃~51℃
Storage Temperature (<3 months)	-20℃~45℃
Storage Temperature (3~12 months)	-20℃~25℃
Mounting Recommendation	
EPA (Effective Projected Area) (ft^2)	6.28
APA (Actual Projected Area) (ft^2)	5.23
Wind Load Rate (mph)	130
Top of Pole or Tenon OD (mm)	65~70

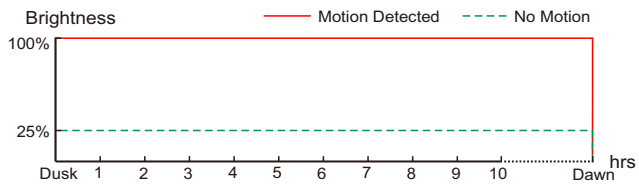
Model No.	SL60
LED Module Parameters	
Light Output (W)	60
Qty. of LED Chips	36×2
Optional Light Distribution	T2/T3
Typical Luminous Flux (lm)	9000
Color Temperature (K)	3000
PIR Sensor	√
Dimension of Product (mm)	719×169×150
Net Weight of Product (kg)	4
Storage Temperature	-20℃~45℃
Packing Parameters	
Dimension of Carton (mm)	830×190×190
Gross Weight of Product (kg)	9.5
Units/Carton	2
Mounting Recommendation	
EPA (Effective Projected Area) (ft^2)	0.59
APA (Acutal Projected Area) (ft^2)	0.49
Wind Load Rate (mph)	110
Top of Pole or Tenon OD (mm)	55~60
Recommended Installation Height (m)	8~10
Recommended Installation Distance (m)	30~45

Physical Dimensions (mm):



X4S200W-SL60

Working Mode:



* The light source contained in this luminaire shall only be replaced by the manufacturer or its agent or a qualified person.
The torque setting for any bolts or screws used to secure the luminaire to the bracket is 14 N/m.
Use for outdoors only.