



X4S (ALL-IN-ONE 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

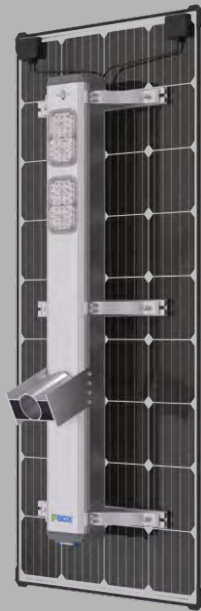
Simple Design, Superior Quality

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.



100W



150/200W

Simple Installation, Extremely Practical

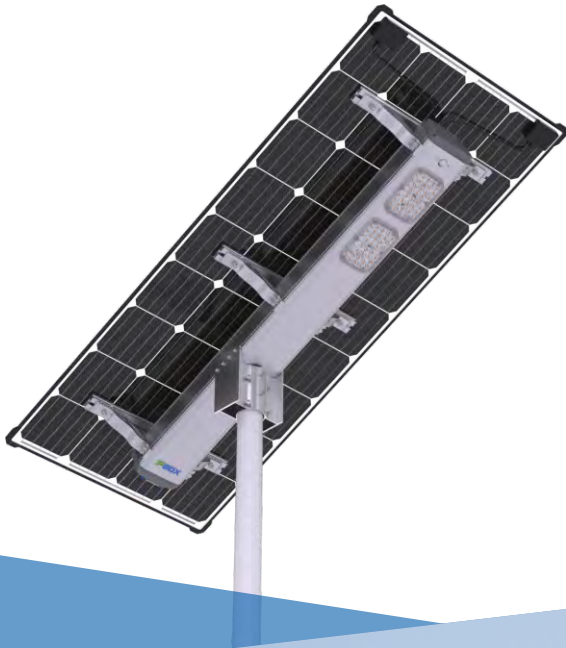
The PBOX X4S stand-alone solar street lights are very simple to use, no separate battery pack required and no complicated wiring or settings. All you need to do is to attach it to the post with some screws. That is all.

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

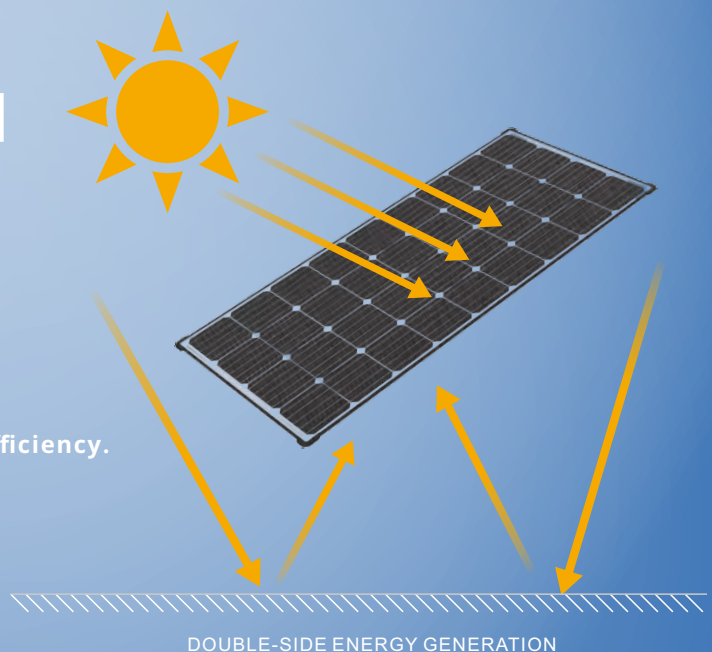
The high strength 6063 aluminium alloy, corrosion resistant anodized surface, and special structure design, makes the bracket strong, secure and reliable.

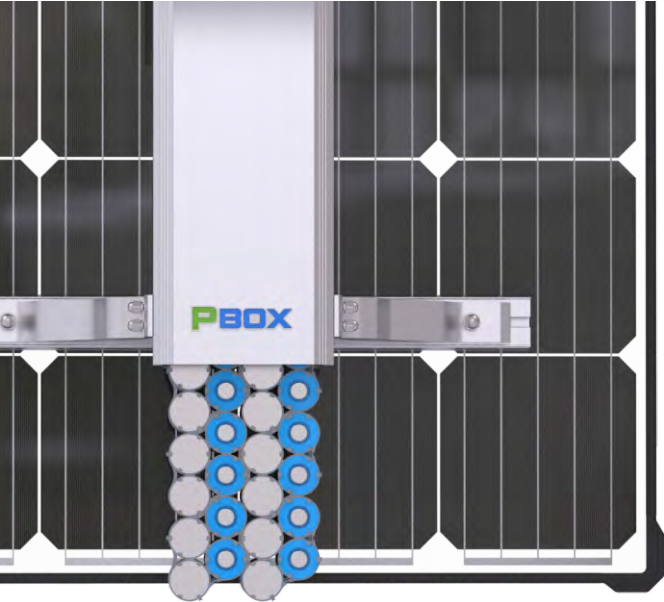


Efficient Double-Sided Solar Panel

X45 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.**

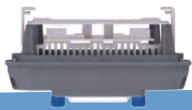
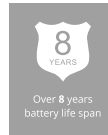




LiFePO4 Li-ion Battery

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

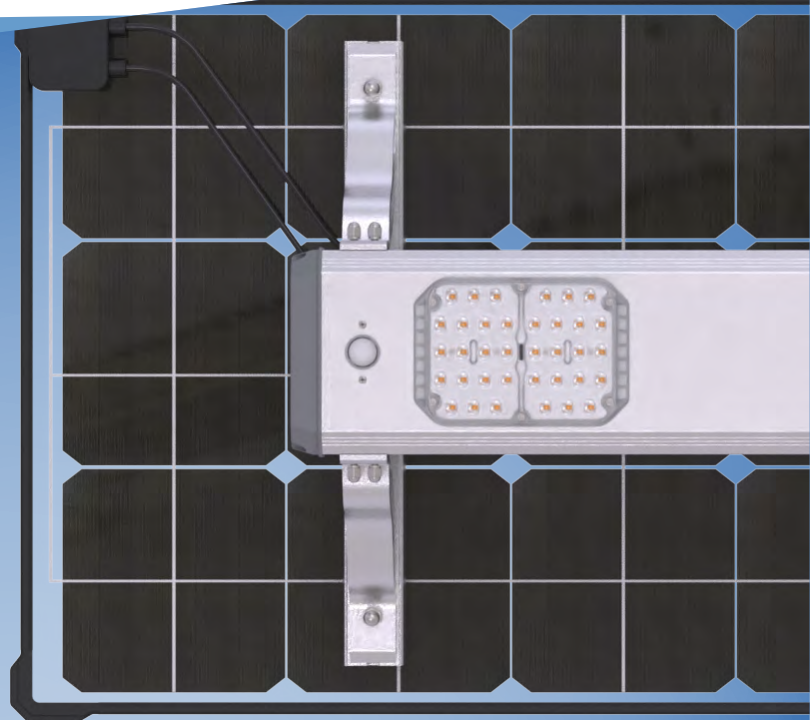
Overcharge & over-discharge protection, Stable performance, high temperature resistance.



High Efficient LED

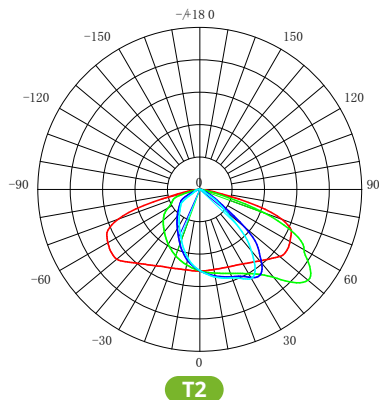
Using high-efficiency LED, luminous efficiency is up to 190lm/W (@25 C). The lights sealing lens is made of strong anti-ultraviolet PC, which has anti-aging and anti-impact performance, enabling long term usage.

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



Bat Wing Light Distribution

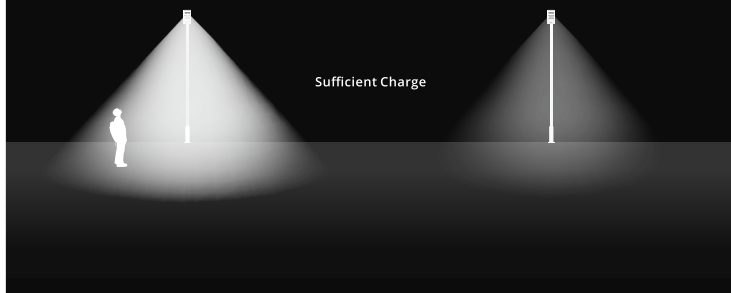
The new lens design improves the lighting effect and lighting uniformity, while also increasing light coverage.



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.

100% Brightness when motion is detected

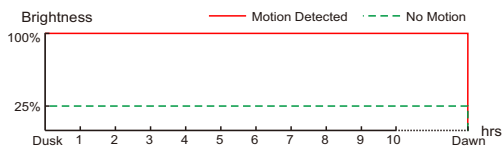
25% Brightness when no motion is detected



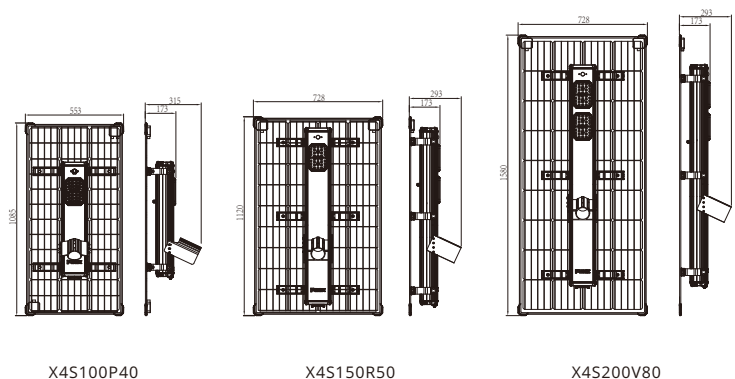
X4S Series Solar Street Light Specifications

Model No.	X4S100P40	X4S150R50	X4S200V80
PV Module Parameters			
Power of PV Module (W)	100	150	200
Lithium Battery Capacity (Wh)	410	615	1024
PIR Sensor	√	√	√
Dimension of Product (mm)	1085×553×315	1120×728×315	1580×728×315
Net Weight of Product (kg)	19	28	35
Light Parameters			
Light Output (W)	30/40/50	40/50	70/80
Qty. of LED Chips	36	36	2×36
Optional Light Distribution	T2	T2	T2
Typical Luminous Flux (lm)	5600/7300/8800	7300/8800	13100/14800
Color Temperature (K)	5000	5000	5000
Min. Working Time (hours)	Bright Mode	9	10
	DIM Mode (25%)	35	42
Light Photosensitivity (lx)	30	30	30
Packing Parameters			
Dimension of Carton (mm)	1135×405×615	1170×220×800	1630×220×800
Gross Weight of Product (kg)	42	32	38
Qty Per Carton (pcs)	2	1	1
Environment Requirement			
Charge Temperature	0°C~51°C	0°C~51°C	0°C~51°C
Discharge Temperature	-20°C~51°C	-20°C~51°C	-20°C~51°C
Storage Temperature (<3 months)	-20°C~45°C	-20°C~45°C	-20°C~45°C
Storage Temperature (3~12 months)	-20°C~25°C	-20°C~25°C	-20°C~25°C
Mounting Recommendation			
EPA (Effective Projected Area) (ft ²)	3.25	4.45	6.28
APA (Actual Projected Area) (ft ²)	2.7	3.71	5.23
Wind Load Rate (mph)	130	130	130
Top of Pole or Tenon OD (mm)	65~70	65~70	65~70
Recommended Installation Height (m)	4~6	5~8	8~10
Recommended Installation Distance (m)	20~30	20~30	30~45

Working Mode:



Physical Dimensions (mm):



X4S100P40

X4S150R50

X4S200V80

- * 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.