



Industry's First Frameless Design

# X4S260W

## Solar Power Supply System

### Double-Sided Solar Panel



Double-Sided  
Solar Panel



High  
Efficiency  
Controller



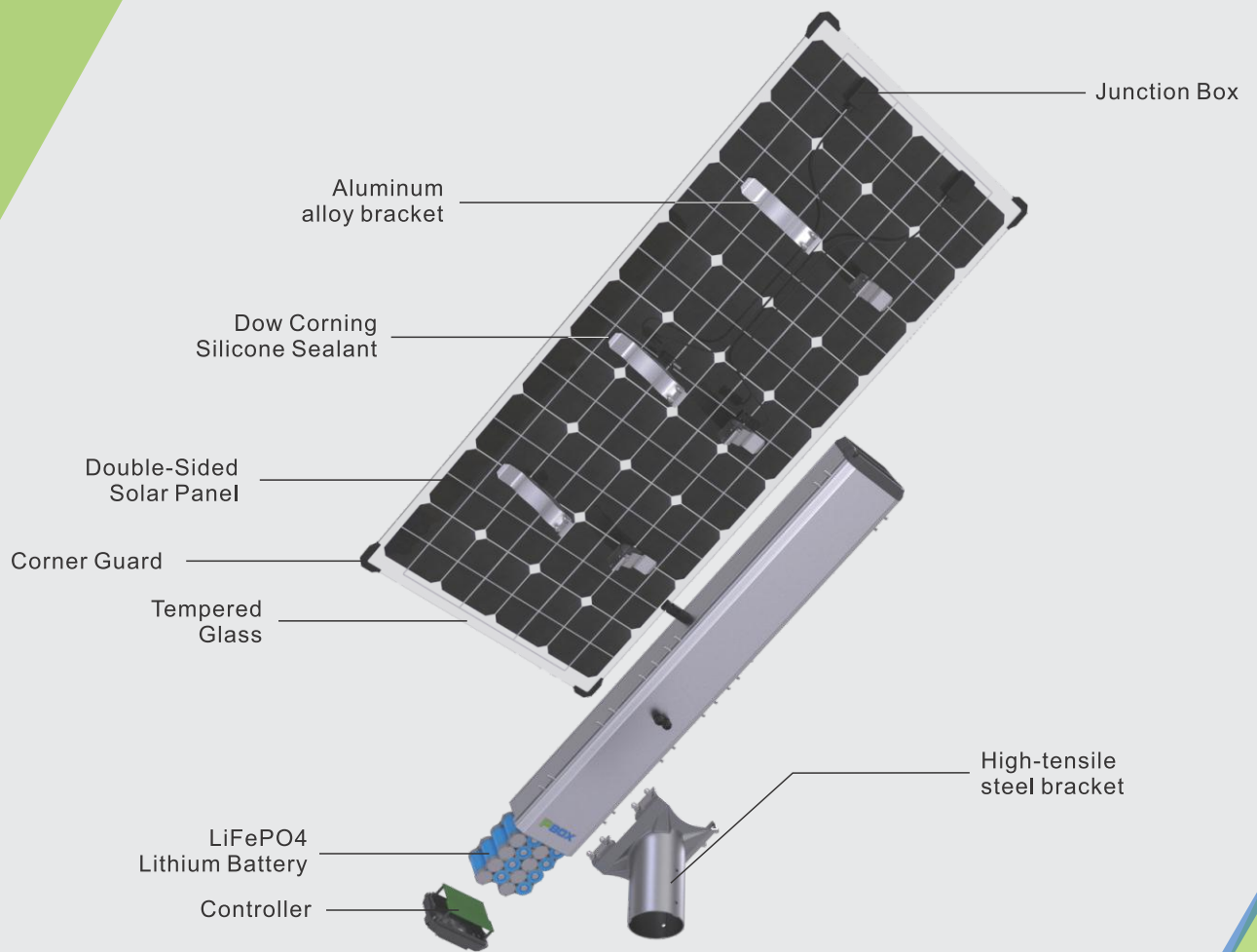
Battery  
Management  
System



Lightweight  
Design



IP65



X4S Series is the first frameless design solar products launched by PBOX, which is a solar system integrating high conversion double-sided solar panel, intelligent battery management system and high-efficiency controller.

The frameless solar panel can reduce the build-up of dirt to a maximum extent. Originality design of the high tensile bracket ensures the user reliability.



Traditional Frame PV



X4 Frameless PV



## Frameless Design



Compared with traditional solar panel with frame, X4S frameless solar panel is much easier to maintain and clean, and can reduce the built-up of dirt to a maximum extent.



Innovative corner protector effectively reduces collision damage and improves safety during transportation and installation.





## Efficient Double-Sided Solar Panel

X4S uses the specially designed double-sided PV module and tempered glass on the backboard of the panel, which eliminates the risk of degradation of the back panel after long-term use.

- Black dual glass solar module is extremely durable.
- Solar Panel Power: Range from 85W to 260W, Conversion efficiency up to 21%.



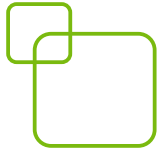
## Solid and Reliable Bracket Structure

The bracket adopts high strength 6063 aluminium alloy, corrosion-resistant anodized surface, and special structure design. It greatly improves reliability and security.



## Battery and Failure Indication

The green light indicates the battery capacity when the unit operates abnormally, the red light will trigger out and blink



## LiFePO4 Lithium Battery

- 01 Adopt green and environmentally-friendly lithium iron phosphate battery, the cycle charge and discharge over 2000 times.
- 02 5cm distance from the battery box to the solar panel, which will assist in heat dissipation performance.



## High performance charging controller, provides full protection for the system

The independent researched and developed charging controller generates more power, especially during cloudy & rainy days. It simultaneously has protection for ever current, over voltage and over heating. Through the USB interface on the controller, it is able to easily modify its operating mode.

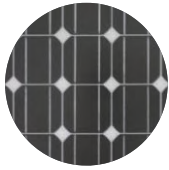




# SOLAR POWER SUPPLY SYSTEM

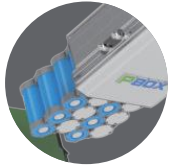


**24V**  
DC output



## High-efficient Solar Panel

Monocrystalline/Double-sided



## Long-lifespan LiFePO4 Lithium-ion Battery

Top grade LiFePO4 Lithium-ion Battery, supported with patented dual battery management technology, makes the battery group a life expectancy of 6~8 years.



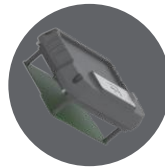
## Reinforced Bracket

Reinforced bracket with anti-theft design, resistant to violent typhoons up to force 16.



## Intelligent Control Unit

Self-developed charging and discharging control unit, makes the solar panel a better solar power absorbing ability in rainy days



## IP65 Waterproof

Waterproof and anti-dust design certified with IP65 requirements, to well stand harsh weather conditions.

Model No.	X4S260W
<b>Physical Parameters</b>	
Power of PV Module (W)	260
Lithium Battery Capacity (Wh)	2150
Battery Heating Function	/
Net Weight of Product (kg)	58
<b>Packing Parameters</b>	
Dimension of Carton (mm)	1450×1290×200
Gross Weight of Product (kg)	63
Packing (pcs)	1
<b>Environment Requirements</b>	
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	0°C~45°C
<b>Mounting Recommendations</b>	
Wind Load Rate (mph)	110
Top of Pole or Tenon OD (mm)	80~95
<b>Physical Dimensions (mm)</b>	

