PBOX®

3 YEARS WARRANTY

X6 (Tipo Dividido)

Iluminacíon Solar de calle

AComo nueva solución de iluminación autónoma para escenarios complejos, la farola solar X6 de tipo dividido presenta un diseño independiente que facilita la instalación. El panel solar se puede colocar de forma independiente para maximizar la exposición al sol, mientras que la unidad LED se puede montar con precisión en la zona deseada, mejorando la eficiencia lumínica.

Utilizando los mismos componentes principales y fiables que la X6 todo en uno —panel solar bifacial, LED de alto flujo luminoso, baterías ecológicas con BMS inteligente y controlador inteligente—, el diseño de tipo dividido optimiza el consumo energético para aplicaciones exigentes. Al ajustar la orientación del panel solar, proporciona una iluminación flexible para grandes proyectos, manteniendo la alta fiabilidad y la facilidad de mantenimiento de la serie X6.

CE | IP66 | IK08

Double-Sided Solar Panel
>25% Efficiency

PWM Controller
Ultra-Intelligent

Patented battery management system
safe, long-life $LiFePO_4$ storage

PIR Motion Detection System
increase battery autonomy

IR Remote Control
Quick manual control available

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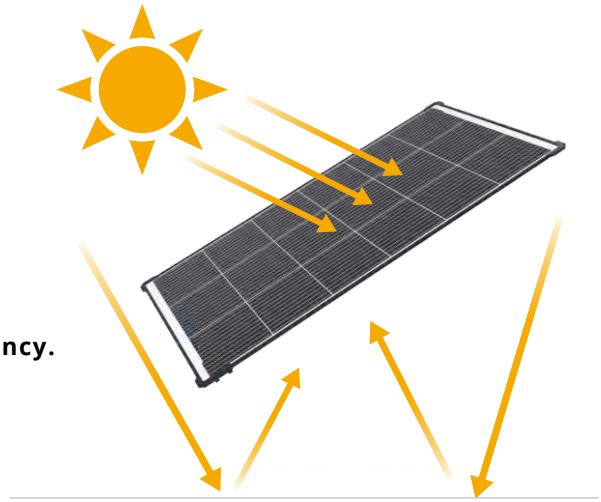
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Panel Solar de Doble Cara de Alta Eficiencia.

El X6 utiliza un módulo fotovoltaico de doble cara de diseño exclusivo y vidrio templado en el panel, lo que minimiza el riesgo de degradación del panel y permite un uso a largo plazo.

- **Bifacial solar module, more energy generation.**
- **Mono-crystalline solar panel, Up to 25% conversion efficiency.**

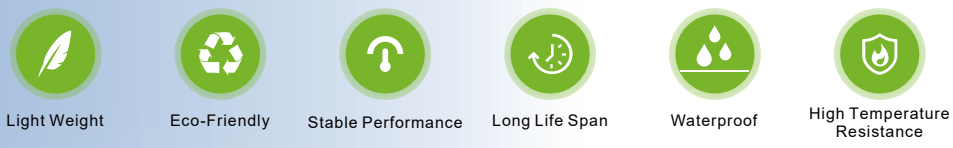






Tecnología Avanzada de Gestión de Baterías.

En el corazón de cada sistema de iluminación solar PBOX se encuentran las ingeniosas baterías de litio LiFePO4, que incorporan el avanzado sistema de gestión de baterías patentado por PBOX. Ofrecen una eficiencia de carga mucho mayor y una vida útil de hasta 3000 ciclos.



Controlador inteligente

El controlador inteligente de PBOX ofrece accesibilidad flexible y protecciones integrales para todo el sistema de iluminación contra sobretensión, sobrecorriente, sobrecarga, sobredescarga, sobrecarga, cortocircuito y ESD. Admite la regulación de la potencia de salida mediante un sensor de movimiento PIR, lo que reduce el consumo de energía y mejora la autonomía de la batería y la fiabilidad operativa.



The infrared remote control simplifies on-site debugging and mode adjustment for solar luminaires.



1. **To switch ON/OFF the light;**
2. **To shift from activated status to transportation mode to OFF mode;**
3. **To change setting of luminaire's working mode when specially needed; With maximum five working mode sections.**

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Luminaire



LED Street Light

High Efficient LED

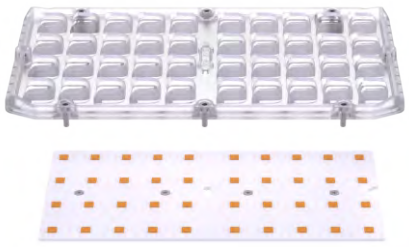
Using high-efficiency LEDs with the luminous efficiency up to 200lm/W (@25 C), a wide range of color temperature options from 2700K to 6500K are available for the luminaires to meet the requirements of different scenarios, and the LED lights maintain a lumen depreciation of less than 10% even after 6,0000 hours of continuous operation, ensuring stable long-term light output.

Optical Control

Engineered with a unique full cutoff structure, these luminaires integrate high-efficiency, low-glare LEDs with precision-cut optics to deliver effective and secure illumination, eliminating glare and enhancing safety for both pedestrians and vehicles.

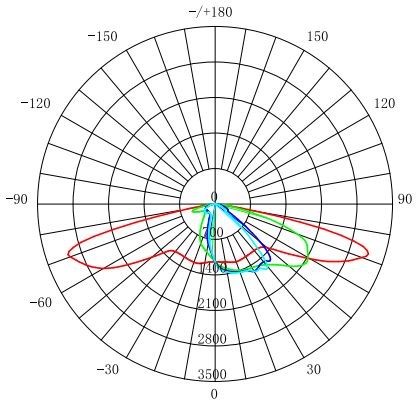
With professional optical design, PBOX luminaires achieve wide, evenly distributed light coverage that consistently meets and exceeds road lighting regulations.

The high-performance PC lens offers excellent optical durability, high transmittance, and strong impact resistance, guaranteeing long-term stability and reliability in demanding environments .



Bat Wing Light Distribution

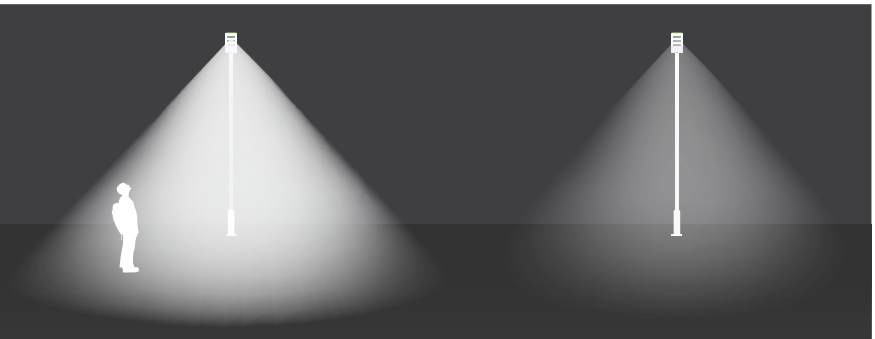
Multiple lens options are available for diverse applications.



T2L

PIR Motion Detection System

PIR motion detection system can automatically regulate the light source from full brightness to dim mode to increase battery autonomy.



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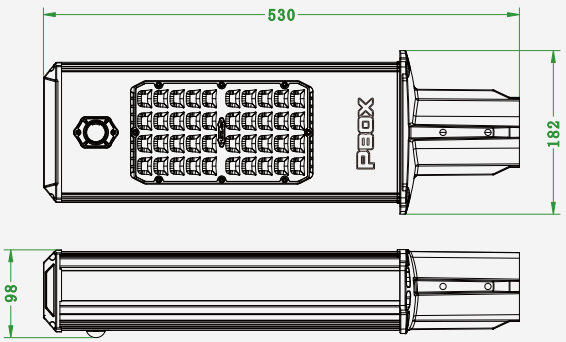
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Luminaire

Model No.	CL2	CL3	CL4	CL5	CL6
Configuration					
LED Module Parameters					
Light Output (W)	20	30	40	50	60
Typical Luminous Flux (lm) (5000K)	3600	5400	7200	9500	10800
Optional Light Distribution	T2L	T2L	T2L	T2L	T2L
Color Temperature (K)	3000/4000/5000K	3000/4000/5000K	3000/4000/5000K	3000/4000/5000K	3000/4000/5000K
Physical Parameters					
Qty. of LED Chips (pcs)	24	40	40	40	40
Motion Sensor	PIR	PIR	PIR	PIR	PIR
Range of input Voltage (V)	22V	22V	22V	22V	22V
Dimensions of Product (mm)	530×182×98	530×182×98	530×182×98	530×182×98	530×182×98
Net Weight of Product (kg)	2.8	2.8	2.8	2.8	2.8
Storage Temperature	-20℃~45℃	-20℃~45℃	-20℃~45℃	-20℃~45℃	-20℃~45℃
Packing Parameters					
Dimensions of Carton (mm)	560×210×135	560×210×135	560×210×135	560×210×135	560×210×135
Gross Weight of Product (kg)	3	3	3	3	3
Mounting Recommendation					
EPA (Effective Projected Area) (ft^2)	0.53	0.53	0.53	0.53	0.53
APA (Actual Projected Area) (ft^2)	0.45	0.45	0.45	0.45	0.45
Wind Load Rate (mph)	110	110	110	110	110
Top of Pole or Tenon OD (mm)	55~62	55~62	55~62	55~62	55~62
Installation Height (m)	6~8m	6~8m	7~10m	7~10m	7~10m
Installation Distance (m)	25~35m	25~35m	25~40m	25~40m	25~40m

CL2/CL3/CL4/CL5/CL6



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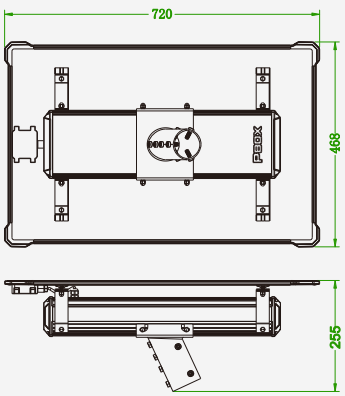
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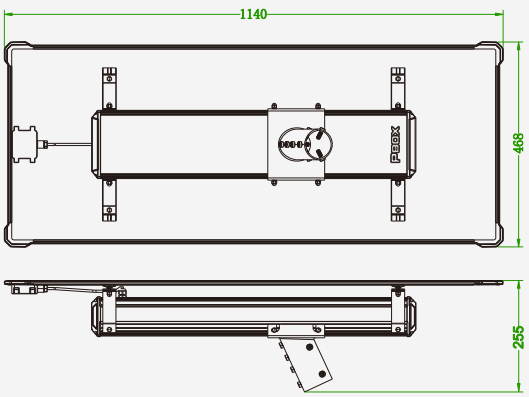
X6 Series Solar Power Supply Systems

Model No.		X6BM-CL2	X6CO-CL4
Configuration			
Physical Parameters			
Power of PV Module (W)		60	100
Battery Capacity (Wh)		256	384
Min. Working Time (Hours)	Bright Mode	11	8
	DIM Mode (20%)	54	41
Light Photosensitivity (lx)		60~90	60~90
Net Weight of Product (kg)		11	15.5
Dimension of Product (mm)		720×468×255	1140×468×255
Packing Parameters			
Main Package	Carton Size (mm)	770×340×520	1190×340×520
	Gross Weight (kg)	27	37
Qty Per Carton (pcs)		2	2
Environment Requirement			
Charge Temperature		0℃~51℃	0℃~51℃
Discharge Temperature		-20℃~60℃	-20℃~60℃
Storage Temperature (<3 months)		-20℃~45℃	-20℃~45℃
Storage Temperature (3~12 months)		-20℃~25℃	-20℃~25℃
Mounting Recommendation			
EPA (Effective Projected Area) (ft^2)		1.84(25°)	2.91(25°)
APA (Actual Projected Area) (ft^2)		1.53(25°)	2.43(25°)
Wind Load Rate (mph)		110	110
Top of Pole or Tenon OD (mm)		55~62	55~62

X6BM-CL2



X6CO-CL4



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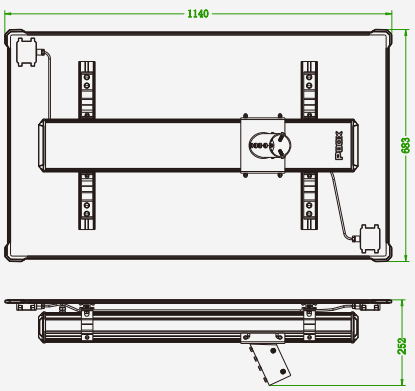
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X6 Series Solar Power Supply Systems

Model No.		X6DQ-CL5	X6DR-CL6
Configuration			
Physical Parameters			
Power of PV Module (W)		162	162
Battery Capacity (Wh)		512	640
Min. Working Time (Hours)	Bright Mode	9	9
	DIM Mode (20%)	44	45
Light Photosensitivity (lx)		60~90	60~90
Net Weight of Product (kg)		21	22
Dimension of Product (mm)		1140×683×252	1140×683×252
Packing Parameters			
Main Package	Carton Size (mm)	1190×340×735	1190×340×735
	Gross Weight (kg)	45	47
Qty Per Carton (pcs)		2	2
Environment Requirement			
Charge Temperature		0℃~51℃	0℃~51℃
Discharge Temperature		-20℃~60℃	-20℃~60℃
Storage Temperature (<3 months)		-20℃~45℃	-20℃~45℃
Storage Temperature (3~12 months)		-20℃~25℃	-20℃~25℃
Mounting Recommendation			
EPA (Effective Projected Area) (ft^2)		4.25(25°)	4.25(25°)
APA (Actual Projected Area) (ft^2)		3.54(25°)	3.54(25°)
Wind Load Rate (mph)		110	110
Top of Pole or Tenon OD (mm)		55~62	55~62

X6DQ-CL5/X6DR-CL6



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