

***Inbrit***<sup>®</sup>



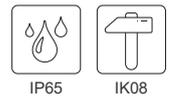
**GLOW**

SPLIT SOLAR STREET LIGHT



# GLOW 60W/120W/180W/240W/300W

## SPLIT SOLAR STREET LIGHT



This lamp is compatible with solar and grid-powered systems, allowing you to customize it according to your needs.

Energy-saving and efficient LED light beads, continuous and stable, longer life.

Adopting environmentally friendly materials, anti-oxidation, prolonging the use of time.

Good large heat dissipation holes.

Multi-module optional, meet different scene requirements.



Front view



Side view



Top view



#### MAIN BODY OF A STRUCTURE

Waterproof and rustproof, not afraid of rainstorms and heat, independent installation, a variety of scenarios to use the way.



#### OPTICAL ELEMENT

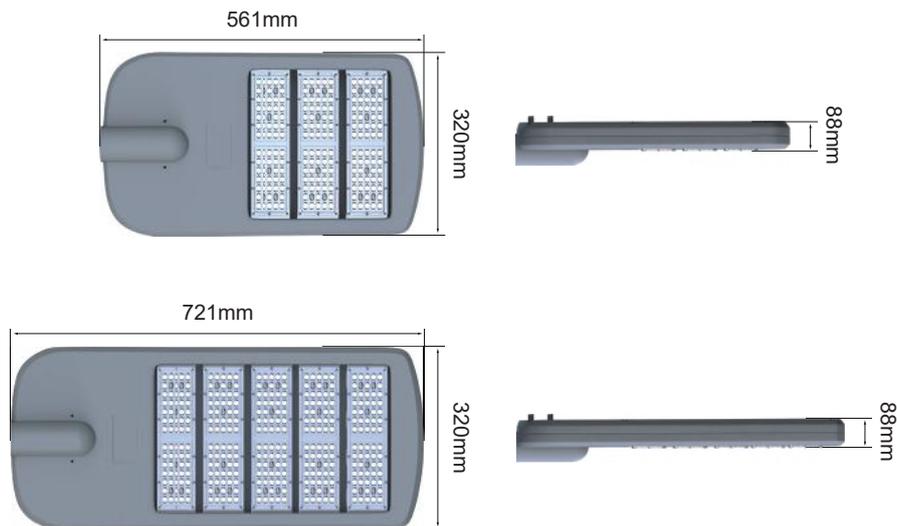
The light source utilizes a batwing lens optical accessory to cover a wider area of the roadway and reduce light scattering waste

#### HIGH EFFICIENCY HEAT SINK

Excellent thermal conductivity and large heat exchange area

Model No.	GLOW-DC-001	GLOW-DC-002	GLOW-DC-003	GLOW-DC-004	GLOW-DC-005
Rated Power	60W	120W	180W	240W	300W
System Voltage	DC54V				
Light Source	3030				
Light Distribution	Bat-Wing light distribution (150°×75°)				
Light Efficiency	140-160LM/W				
Color Temperature	3000K~5000K				
CRI	≥Ra70				
IP Rating	IP65				
Working Temperature	-10°C ~+60°C				
Working Humidity	10%-90%RH				
LED Lifespan	50000H-100000H				
Mount Diameter	Φ60mm				
Lamp Dimension	561×320×88MM			721×320×88MM	
Lamp Weight	3.23KG	3.23KG	3.92KG	4.75KG	5.37KG
Package Dimension (2pc/CTN)	580×330×190MM(2pcs/CTN)			740×330×190MM(2pcs/CTN)	
Suggested Mount Height	8-10M	8-12M	10-14M	10-16M	12-16M
Warranty	3 Years				

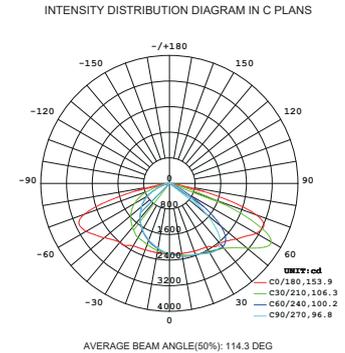
## LAMP DIMENSION



# LIGHT DISTRIBUTION CURVE

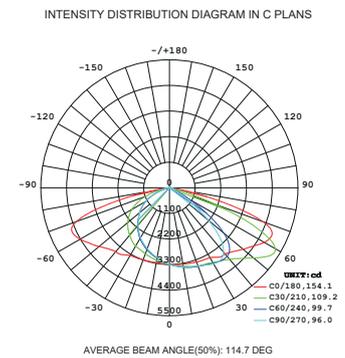
## STREETLIGHT PHOTOMETRIC TEST REPORT (60W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 142.47lm/W
MODEL	XH-60W	I <sub>max</sub> (cd)	4405	η street_up (%)	0.2	
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	58.5	
RATED VOLTAGE (V)	54	TOTAL FLUX (lm)	8548	η house_up (%)	0.2	
NOMINAL FLUX (lm)	8548.27	MAXIMUM @(C, Y)	160, 64.0	η house_down (%)	41.0	
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m <sup>2</sup> )	0.00100	
TEST VOLTAGE (V)	54.5	η down (%)	99.6	SLI	20.233	



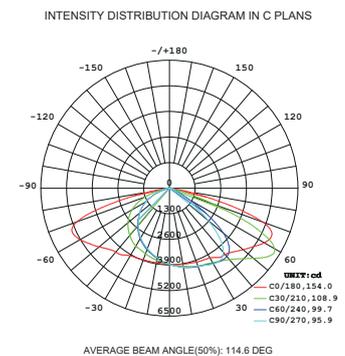
## STREETLIGHT PHOTOMETRIC TEST REPORT (80W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 158.48lm/W
MODEL	XH-80W	I <sub>max</sub> (cd)	6337	η street_up (%)	0.2	
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.2	
RATED VOLTAGE (V)	54	TOTAL FLUX (lm)	12678	η house_up (%)	0.2	
NOMINAL FLUX (lm)	6339.23	MAXIMUM @(C, Y)	160, 64.0	η house_down (%)	41.3	
LAMPS INSIDE	2	η up (%)	0.5	76 FLASHAREA (m <sup>2</sup> )	0.00100	
TEST VOLTAGE (V)	52.6	η down (%)	99.5	SLI	20.736	



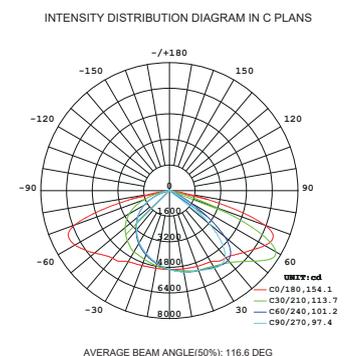
## STREETLIGHT PHOTOMETRIC TEST REPORT (100W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 149.18lm/W
MODEL	XH-100W	I <sub>max</sub> (cd)	7473	η street_up (%)	0.2	
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	58.2	
RATED VOLTAGE (V)	54	TOTAL FLUX (lm)	14918	η house_up (%)	0.2	
NOMINAL FLUX (lm)	7458.9	MAXIMUM @(C, Y)	160, 64.0	η house_down (%)	41.4	
LAMPS INSIDE	2	η up (%)	0.4	76 FLASHAREA (m <sup>2</sup> )	0.00100	
TEST VOLTAGE (V)	53.6	η down (%)	99.6	SLI	21.024	



## STREETLIGHT PHOTOMETRIC TEST REPORT (120W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 158.65lm/W
MODEL	XH-120W	I <sub>max</sub> (cd)	9551	η street_up (%)	0.2	
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	58.0	
RATED VOLTAGE (V)	54	TOTAL FLUX (lm)	19038	η house_up (%)	0.2	
NOMINAL FLUX (lm)	9518.91	MAXIMUM @(C, Y)	160, 63.0	η house_down (%)	41.6	
LAMPS INSIDE	2	η up (%)	0.5	76 FLASHAREA (m <sup>2</sup> )	0.00100	
TEST VOLTAGE (V)	52.5	η down (%)	99.5	SLI	21.411	





# MONOCRYSTALLINE SOLAR MODULE



**High-Quality Guarantee**  
EL TEST twice 100% for semi-finished and finished products to eliminate defectives.



**Efficiency Under Dim**  
Using advanced glass and textures. Superior low irradiance performance.



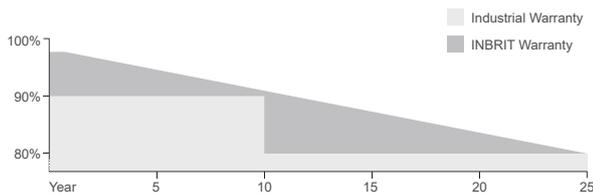
**Afford Any Bad Weather**  
Certificated 2400-Pascal wind and snow load.



**Higher Efficiency**  
High efficiency of conversion by using the new manufacturing technique and A-class cell.

INBRIT photovoltaic(PV) modules are assembled by high-performance A-class cells and encapsulated by a durable back sheet, are capable of converting energy from incident lights on the diffuse light, as well as reflected and scattered light on rear sides, which make them better reliable, superior low irradiance performance, and excellent generation performance.

## Linear graph of performance warranty



## Comprehensive certificates

- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems



## PRODUCT DETAIL



### Aluminum Alloy Frame

Anodized aluminum frame for high corrosion resistance  
Up to 25 years of service life  
Improved load resistance capabilities for heavy wind loads



### Protect Corner

Protect the solar panel frame during transportation  
Do not deform under the action of external force  
Protect the safety of the installer during the installation process



### High Transmission Low Iron Tempered Glass

3.2mm thickness  
>91% higher light transmittance  
Work normally under 5400Pa snow load  
High mechanical strength



### EVA

>91% higher light transmittance  
Higher gel content to provide good encapsulation  
And protect cells from vibration with longer durability

# INTEGRATED LITHIUM BATTERY AND CONTROLLER



Battery cell dimensions(mm)

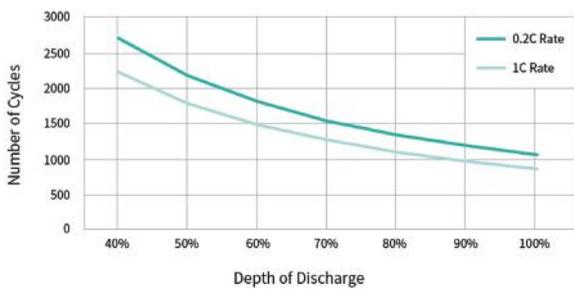


## Features

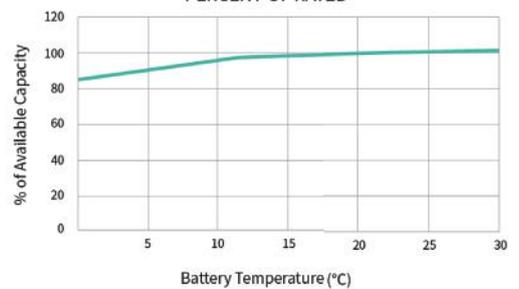
Humidity	60±10R.H.
Operating temperature	0-60°C
Storage and charging	Battery may be stored up to 3 months then a freshening charge is required
Self-discharge	At 25°C, the monthly power consumption is less than or equal to 0.9%, which is between 0.5% and 0.9%

Noted: Better not to use the battery under extremely cold weather, otherwise the lifespan will be affected.

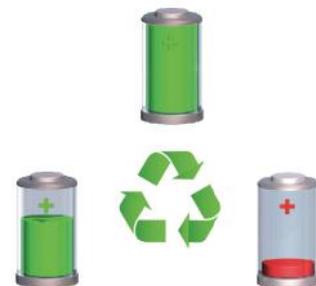
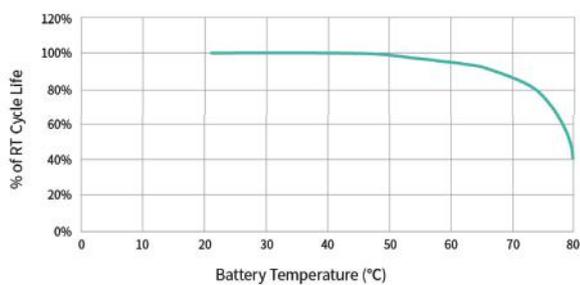
**CYCLE LIFE**



**AVAILABLE CAPACITY PERCENT OF RATED**



**CYCLE LIFE VS. TEMPERATURE**

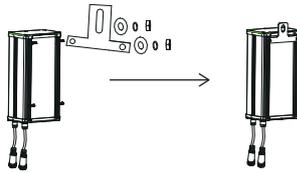


LIGHT POLE



## DC LAMP INSTALLATION

①



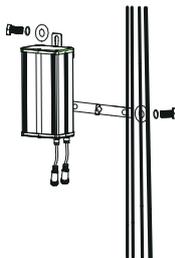
Place two M6\*35 hex bolts into the screw slots on each side of the integrated unit as shown in the diagram. Then install the T-shaped mounting bracket onto the integrated control unit.

②



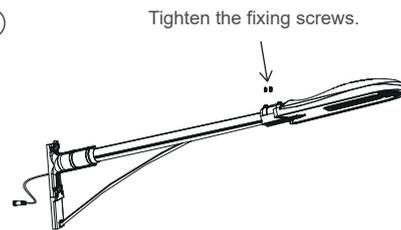
Attach the straight mounting bracket to the lamp pole and tighten the screws.

③



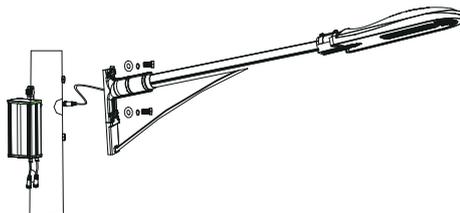
Mount the integrated control unit onto the lamp pole and tighten the screws.

④



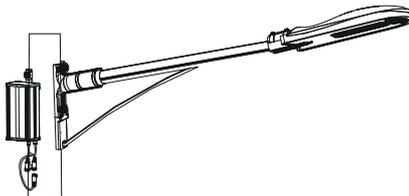
Tighten the fixing screws.  
Slide the lamp onto the support arm and thread the lamp's output cable through. After adjusting the lamp angle, secure the fixing screws on the lamp.

⑤



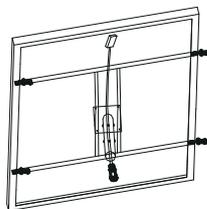
Thread the lamp output cable through the reserved outlet at the bottom of the integrated control unit on the lamp pole, adjust the support arm, and secure it to the pole by tightening the screws.

⑥



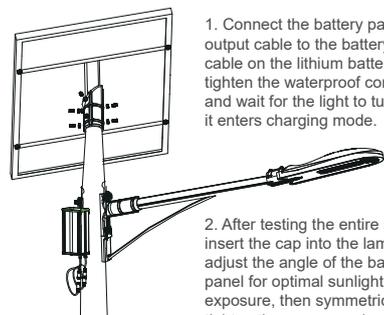
Connect the lamp output cable to the light source output cable from the battery, tighten the waterproof connector, and wait for the light source to illuminate.

⑦



Secure the battery panel to the bracket with screws, and thread the battery panel cable through the cap.

⑧



1. Connect the battery panel output cable to the battery output cable on the lithium battery, tighten the waterproof connector, and wait for the light to turn off as it enters charging mode.

2. After testing the entire system, insert the cap into the lamp pole, adjust the angle of the battery panel for optimal sunlight exposure, then symmetrically tighten the screws and raise the lamp pole to complete the installation.



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One-Stop LED Outdoor Lighting Manufacturer