

Inbrit[®]



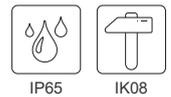
TRANSFO

SPLIT SOLAR STREET LIGHT



TRANSFO 60W/100W

SPLIT SOLAR STREET LIGHT



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

LED chip highlights the bead, high brightness, low light decay, long service life.

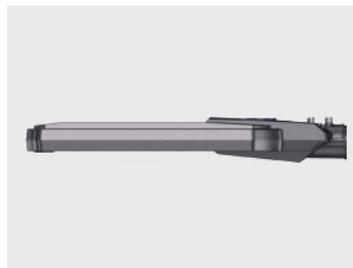
High color, light weakness, no stroboscopic.

Using high transmittance lenses and scientific light distribution methods, high light beads, low light attenuation, and long life.

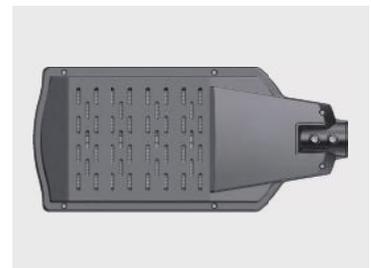
Die-cast aluminum heat dissipation material and strong convection heat dissipation design improve heat dissipation performance and extend the life of the lamp body.



Front view



Side view



Top view



MAIN BODY OF A STRUCTURE

Waterproof and rustproof, withstanding torrential rain and scorching heat. Independent installation, versatile usage across multiple scenarios.

OPTICAL ELEMENT

The light source adopts bat wing lens optical accessories

INNOVATIVE ASSEMBLY METHODS

Modular pluggable design, simple tool maintenance

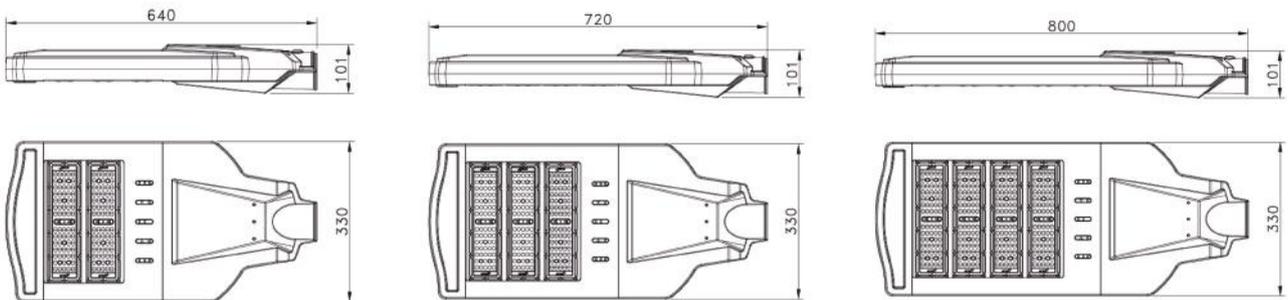
HIGH EFFICIENCY HEAT SINK

Excellent thermal conductivity and large heat exchange area



Model No.	TRANSFO-DC-001	TRANSFO-DC-002
Rated Power	60W	100W
System Voltage	DC54V	
Light Source	3030	
Light Distribution	Bat-Wing light distribution (150°×75°)	
Light Efficiency	120LM/W	
Color Temperature	3000K-6000K	
CRI	Ra≥70	
IP Rating	IP65	
Working Temperature	-10°C -+60°C	
LED Lifespan	50000H-100000H	
Mount Diameter	Φ60MM	
Lamp Dimension	640×330×101MM	640×330×101MM
Lamp Weight	3.6KG	4.0KG
Package Dimension (two packs)	650×340×180MM (2pcs/CTN)	650×340×180MM (2pcs/CTN)
Suggested Mount Height	8-10M	8-12M
Warranty	3 Years	

LAMP DIMENSION

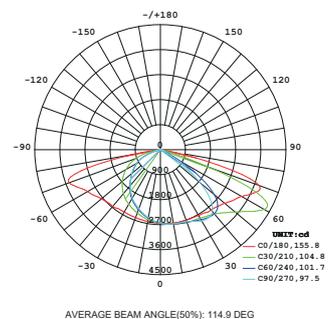


LIGHT DISTRIBUTION CURVE

STREETLIGHT PHOTOMETRIC TEST REPORT (60W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 167.48lm/W
MODEL	JD60W	Imax (cd)	5429	η street_up (%)	0.2	
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	58.1	
RATED VOLTAGE (V)	54	TOTAL FLUX (lm)	10049	η house_up (%)	0.2	
NOMINAL FLUX (lm)	5024.45	MAXIMUM @(C, Y)	160, 69.0	η house_down (%)	41.5	
LAMPS INSIDE	2	η up (%)	0.4	76 FLASHAREA (m²)	0.00100	
TEST VOLTAGE (V)	51.2	η down (%)	99.6	SLI	19.897	

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS





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.



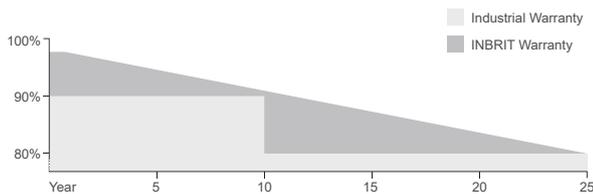
Afford Any Bad Weather
Certificated 2400-Pascal wind and snow load.



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



Recycle responsibly

Do not mix with Lead Acid Batteries when Recycling.



Battery cell dimensions(mm)

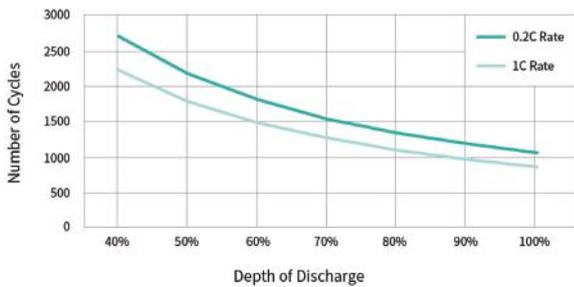


Features

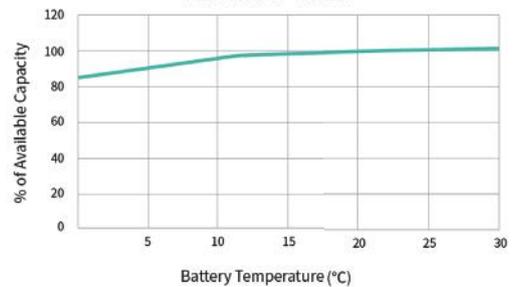
Humidity	60±10R.H.
Operating temperature	0-60°C
Storage and charging	Battery may be stored up to 3 months then a freshening charge is required
Self-discharge	At 25°C, the monthly power consumption is less than or equal to 0.9%, which is between 0.5% and 0.9%

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

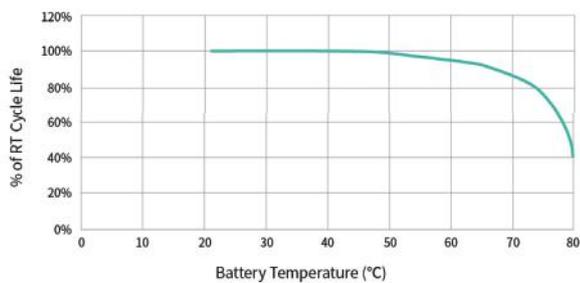
CYCLE LIFE



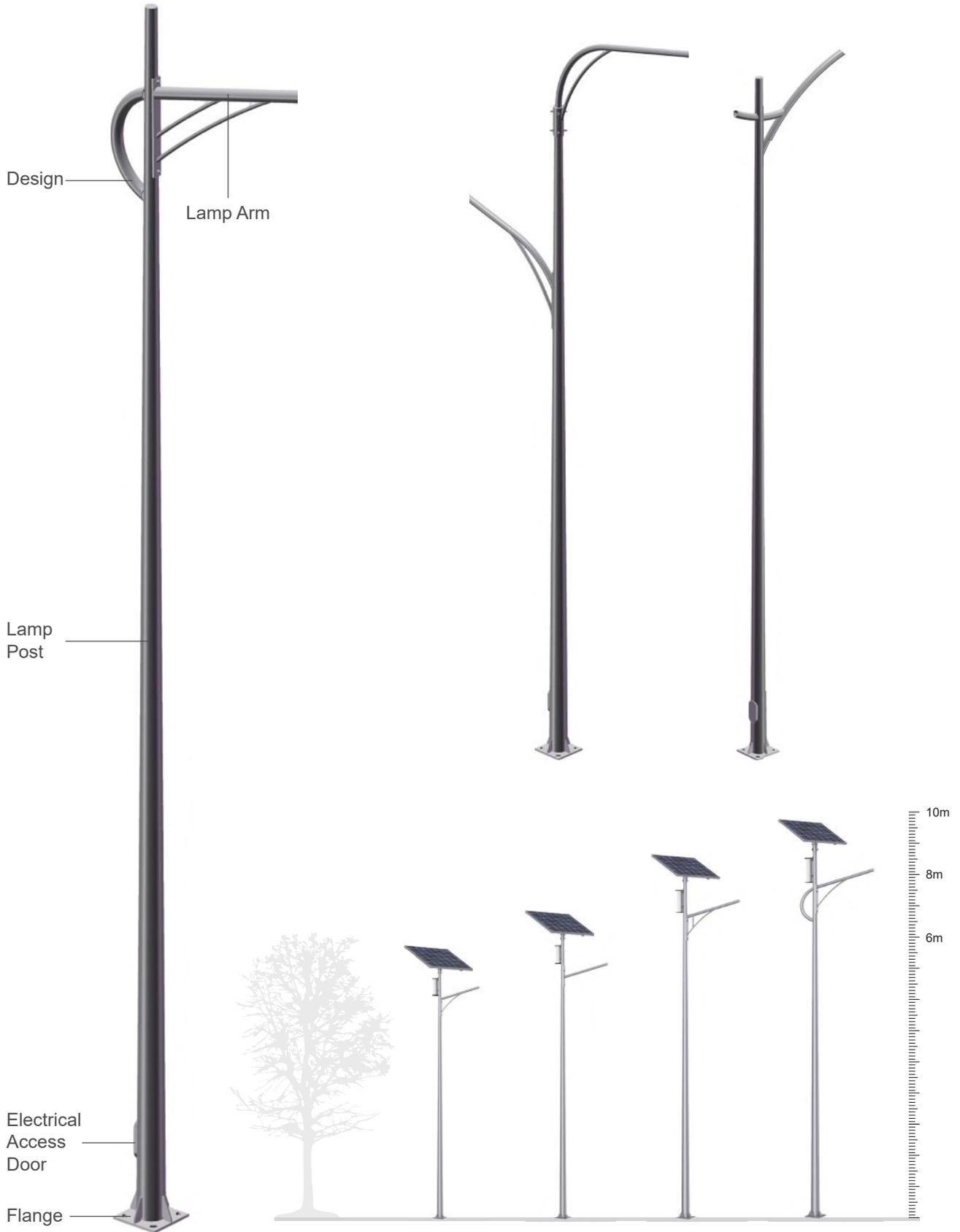
AVAILABLE CAPACITY PERCENT OF RATED



CYCLE LIFE VS. TEMPERATURE

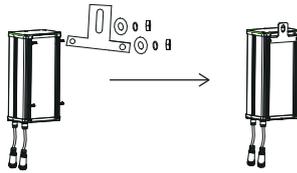


LIGHT POLE



DC LAMP INSTALLATION

①



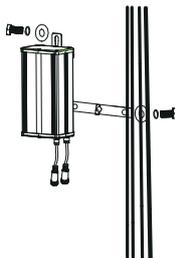
Place two M6*35 hex bolts into the screw slots on each side of the integrated unit as shown in the diagram. Then install the T-shaped mounting bracket onto the integrated control unit.

②



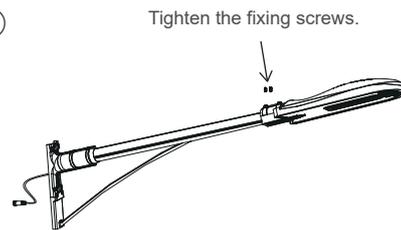
Attach the straight mounting bracket to the lamp pole and tighten the screws.

③



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

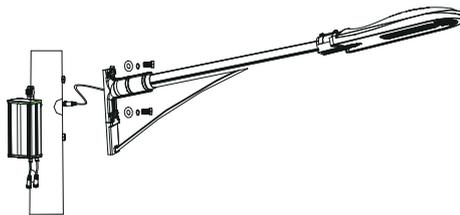
④



Tighten the fixing screws.

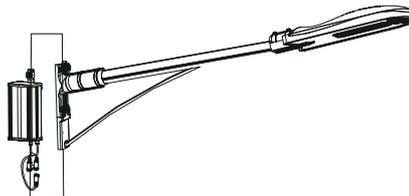
Slide the lamp onto the support arm and thread the lamp's output cable through. After adjusting the lamp angle, secure the fixing screws on the lamp.

⑤



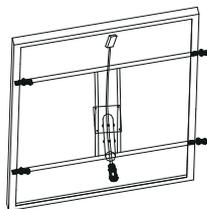
Thread the lamp output cable through the reserved outlet at the bottom of the integrated control unit on the lamp pole, adjust the support arm, and secure it to the pole by tightening the screws.

⑥



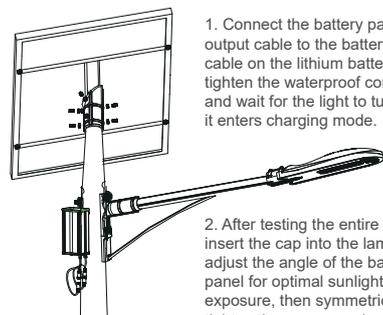
Connect the lamp output cable to the light source output cable from the battery, tighten the waterproof connector, and wait for the light source to illuminate.

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