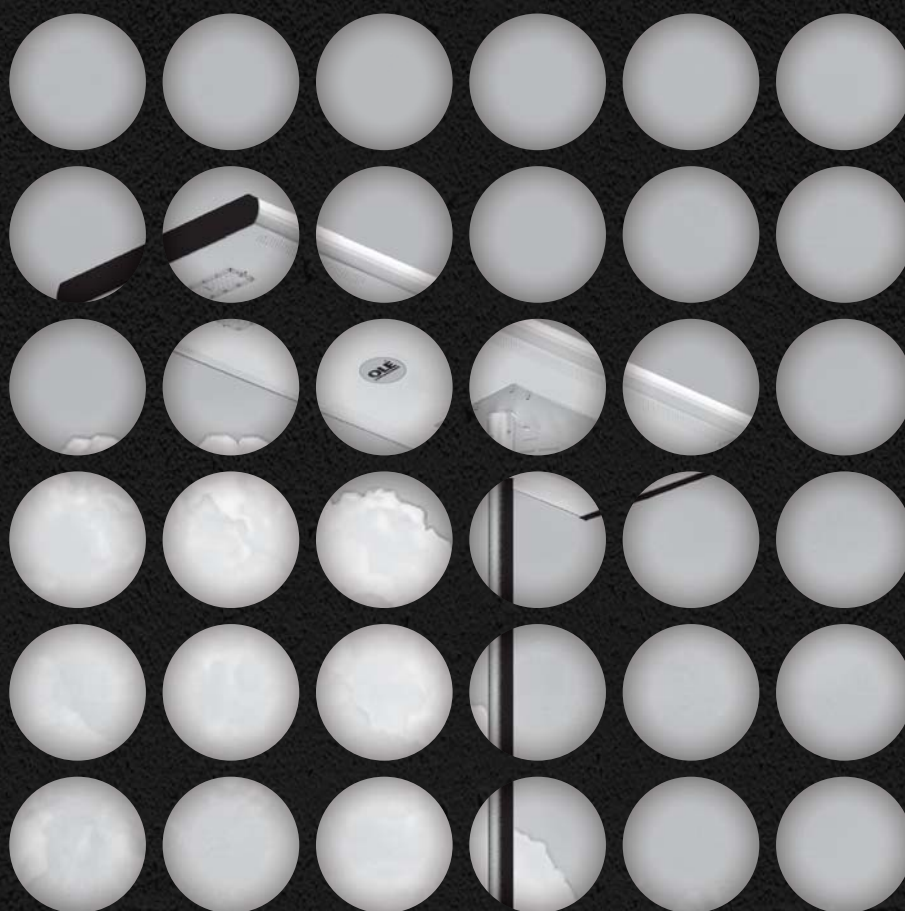




Since 1993

LED SOLAR LIGHT



Solar Street Lighting | Solar Floodlight | Solar Bus Shelter

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Integrated Solar LED Street Lighting

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Since 1993

Integrated

Solar LED Street Lighting

Solar energy is a clean, renewable, and dependable source of power, making it an ideal solution in today's growing demand for sustainable energy. With increasing concerns over climate change, pollution, and energy shortages, solar-powered lighting presents a smart and environmentally responsible alternative. When combined with advanced LED technology, it delivers a highly efficient and energy-saving lighting solution.

Solar street lighting is particularly suitable for remote and off-grid locations where access to reliable electricity is limited. In urban environments, it helps reduce dependence on conventional power sources while supporting the transition toward greener infrastructure and lowering carbon emissions. With its long lifespan, low maintenance requirements, and high reliability, solar lighting stands as a future-ready solution for modern outdoor illumination.



Advanced LED Technology



High-Efficiency Monocrystalline Silicon Solar Panel



Fully Solar-Powered – Eliminates Need for External Wiring



Extruded Aluminium Heatsink & Housing for Superior Heat Dissipation and Extended Lifespan





Safety and Performance, Luminaire, IEC 60598-2-3,

Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting.



Design, Solar Photovoltaic, (PV) Module, IEC 61215-2,

Terrestrial photovoltaic (PV) modules Design qualification and type approval Part 2: Test Procedures.

Full type tests include:

- i) ***MQT 01 Visual Inspection (including EL imaging)***
- ii) ***MQT 19.1 Initial Stabilization***
- iii) ***MQT 06.1 Performance at STC***
- iv) ***MQT 03 Insulation Test***
- v) ***MQT 15 Wet Leakage Current***
- vi) ***Sequence C - MQT 10 UV Pre-conditioning Test, 15kWh/m²***
- vii) ***Sequence E - MQT 13 Damp Heat 200 hours (deviate 1000h)***
- viii) ***MQT 19.2 Final Stabilization***
- ix) ***MQT 06.1 Performance at STC (Post Stabilization)***
- x) ***MQT 03 Insulation Test (Post Stabilization)***
- xi) ***MQT 15 Wet Leakage Current Test (Post Stabilization)***

Note: Test clause viii, ix, x, and xi are conducted after final stabilization



Safety, Rechargeable Deep Cycle Battery, IEC 62133-2,

Secondary cells and batteries containing alkaline or other non-acid electrolytes Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications Part 2: Lithium systems.



Performance, Rechargeable Deep Cycle Battery, IEC 62620,

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications.



Safety, Solar Charge Controller, IEC 62109-1,

Safety of power converters for use in photovoltaic power systems - Part 1: General requirements.

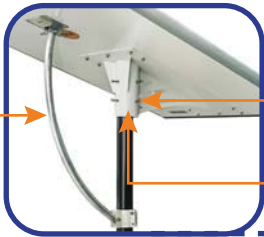


Photometric, Luminaire, IES LM-79,

Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products.

Solar Lantern Pole Accessories

Support Bracket
(Optional)



Set screws/ Custom-made anti theft screws

Spigot

Spigot

- Optional support bracket available for enhanced stability
- Secured to the lantern bracket using set screws; Optional custom-made OLE anti theft screws available for enhanced security



Anti-Climb Spikes (optional)

- Features spiked collars specifically designed to enhance security by preventing unauthorized climbing



Hot Dip Galvanized Pole

Specification:

- Constructed from high-quality S275JR steel
- Durable epoxy powder coating for enhanced protection
- Rust-resistant for long-term outdoor use
- Engineered to withstand wind speeds exceeding 126 km/h



Gusset

Flange Plate

Flange Design

Gusset:

- Connects and reinforces joints in steel structures, ensuring overall structural integrity.

Flange Plate:

- Serves as the interface between the pole and foundation, securely anchoring the structure to the ground.
- Features four strengthening ribs to enhance stability and make the pole structurally stronger.

GROUND



J-Bolt

Installation & Packaging:

- Secured with J-bolts and two additional nuts for enhanced stability
- Includes protective plastic sleeves for safe shipping
- Detachable design allows for efficient container space-saving during transport

Remote Control

Remote Device function as:

- Control light switch
- Adjust light brightness
- Set light working mode
- View and record data/ information:
 - Charge and discharge (Energy and/ or Current and Voltage)
 - State of Charge (SOC) of the battery



Technical Parameters:

Power supply battery	no. 5 (AA) x 2
Power supply voltage	3.0V
Effective distance	8m (infrared remote control), 15m (wireless remote control)
Sleep power consumption	<0.2uA
Normal power consumption	5mA
Transmitting instantaneous power consumption	<50mA
Backlight power consumption	<15mA
Product dimensions	122mm x 60.5mm x 22mm (L x W x H)
Package dimensions	139mm x 77mm x 44mm (L x W x H)
Weight	60g (without battery)
Automatic power - off time	65 seconds
2000mAH battery setting quantity	30000
Ambient temperature	-25°C ~ 55°C



JKC-K & JKC-F Features



NEP LED Module High Efficiency LED Chip High Power LED Chip 5050

* Compliance with IES LM-79

Lumen Efficacy	: 185 - 200 lm/W
Casing material	: Extrusion Aluminium
Lens material	: PMMA (Poly Methyl Methacrylate) & Polycarbonate



NEP LED Module - LED IP67 Modular Optical System

Aluminium Extrusion High Thermal Conductivity

Quickly transfers heat from LED and into the heat sink.

It prolongs LED life span.



Monocrystalline Silicon Solar Panel

**High quality with
Excellent Efficiency (>19%)**

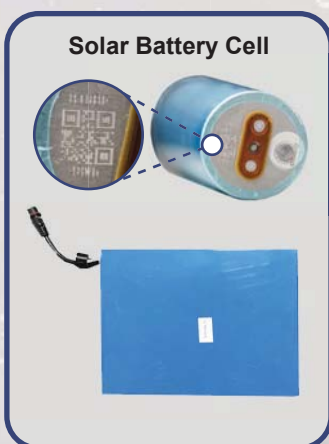
* Compliance with IEC 61215-2



Timer On/Off Feature

JKC-F model

**Optional Supporting Bracket
for Full Power Type**



Solar Battery Cell

Lithium Iron Phosphate (LiFePO4) Battery

- OEM Grade A battery cells.
- Each battery is equipped with a unique QR code to ensure easy traceability.
- Tested for 500 cycles with >90% capacity retention
- Over 2,500 charge cycles with >80% capacity retention
- The battery has a lifespan of 5 years.

* Compliance with IEC 62133-2 & IEC 62620



Solar Charge Controller

* Compliance with IEC 62109-1

IP68 Waterproof Connector



User Manual

JKC-K & JKC-F Series

JKC-K Series



JKC-F Series

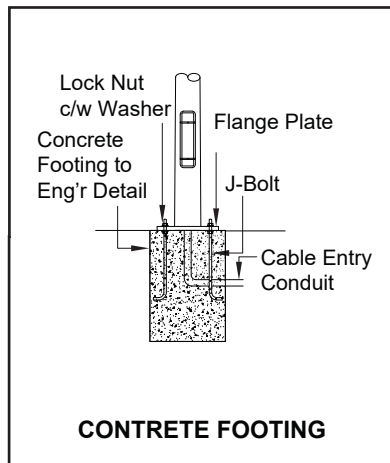


- | | |
|-------------------------------|------------------------|
| ① Solar Panel | ④ Solar Controller |
| ② Lamp Housing | ⑤ Battery Pack |
| ③ LED Module and Optical Lens | ⑥ Installation Bracket |

User Manual

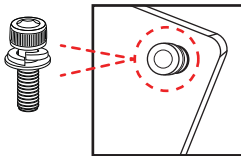
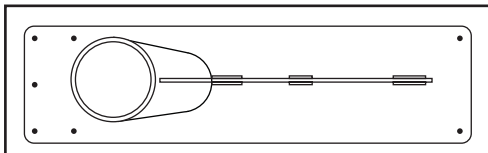
JKC-K & JKC-F Series

1. Excavate a hole to match the dimensions of the foundation cage, place the cage into the hole, and secure it with concrete.

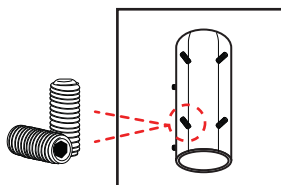
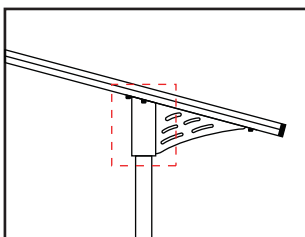


2. Installation Method: -

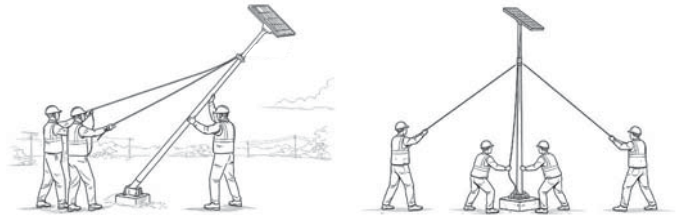
i) Install the post top bracket with 6 socket head bolt with spring washer and flat washer.



ii) Insert Post Top Bracket onto pole and fasten 6 jam screws.

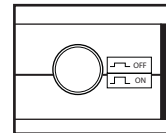
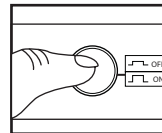


3. Use personnel or machinery to lift the lantern pole, align the bottom flange with the foundation cage, and securely fasten the lamp pole using screws and/ or bolts.

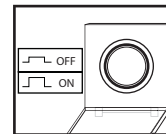
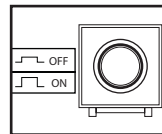


4. Once installed, open the button cover and switch on/ active the solar lantern as per picture shown. If the user needs to turn off/ deactivate the lantern, repeat the process as shown:

i) Method A: For switch located inside lantern frame.

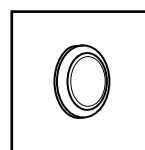


ii) Method B: For switch located outside lantern frame with protective plastic cover.

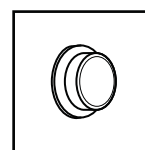


1. Open the button cover.
2. Push / Release switch button.
3. Close the button cover.

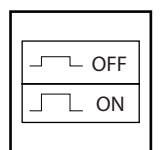
Note:



Deactivate state



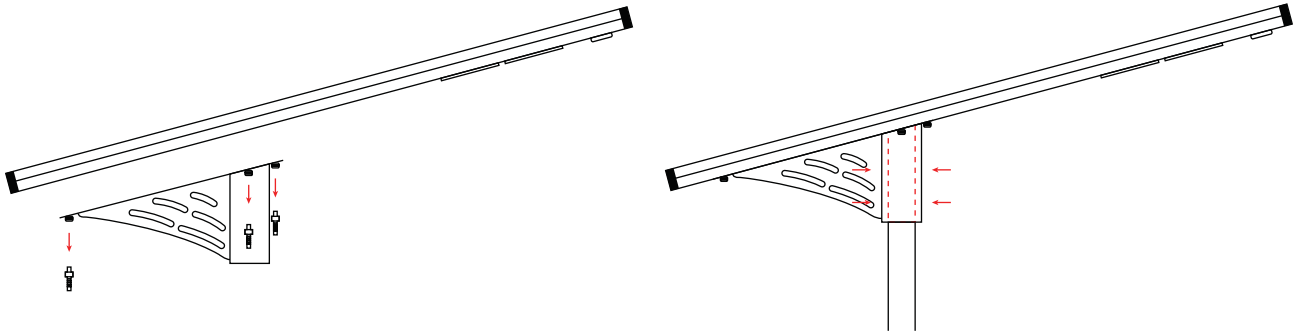
Activate state



Refer the On/ Off sticker as reference

User Manual

JKC-K & JKC-F Series



1. Pre Charging: Charge all models of solar lantern (without using them at night) for three days before installation.
2. Installation Location: Install the light in an area free from shade, ideally facing south, to ensure optimal sunlight exposure for charging.
3. Preparation : If a plastic film is present on the transparent lamp module, remove before use.
4. Safety Precautions: Keep the lantern away from fire, water, and humid environments to prevent risks of explosion, leakage, or damage due to moisture.
5. Handle with Care: Avoid subjecting the lantern to sever shocks or impacts.
6. Disassembly Warning: Only professional technicians should attempt to disassemble the lantern to prevent damage.
7. Maintenance Warning:
 - Upon receiving the lantern, ensure it is charged and discharged at least once within two months.
 - If the lantern is not used for an extended period, repeat the charge and discharge cycle every two months to maintain its lifespan.
 - Failure to follow this maintenance schedule may affect the lantern's lifespan. In such cases, after-sales service will not be provided.

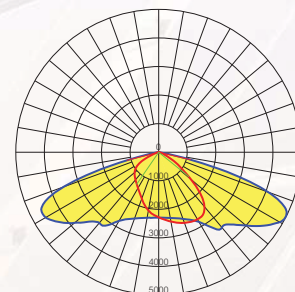
JKC-K-40W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 30AH 768WH (2 days) : 25.6V 45AH 1152WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 40W
LED Chip	: TYF 5050
Chip Quantity	: 50 PCS
System Efficacy	: Typical 200 lm/W
Total Lumen	: Typical 8,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

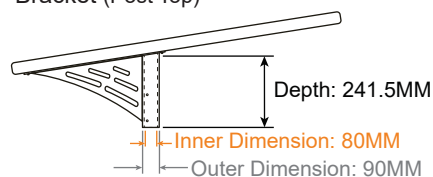
IP68 Waterproof
Connector

PACKING & WEIGHT

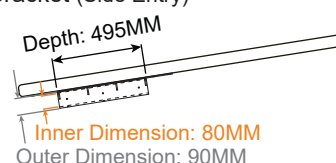
Product Size	: 1810*410*60MM (Luminaire) : 785*167*247MM (Post Top Bracket) : 785*166*247MM (Side Entry Bracket)
Packing Size	: 1860*475*115MM (Luminaire) : 800*180*300MM (Post Top Bracket) : 800*180*165MM (Side Entry Bracket)
Net Weight	
Luminaire	: 18.24KG (2 days) / 22.97KG (3 days)
Bracket	: 12KG (Post Top) / 16.5KG (Side Entry)
Gross Weight	
Luminaire	: 20.74KG (2 days) / 25.47KG (3 days)
Bracket	: 12.6KG (Post Top) / 17.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



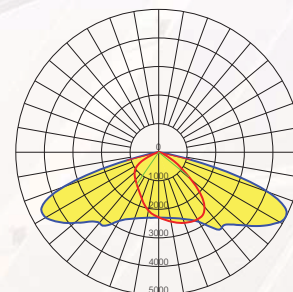
JKC-K-60W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days) : 25.6V 75AH 1920WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: TYF 5050
Chip Quantity	: 100 PCS
System Efficacy	: Typical 200 lm/W
Total Lumen	: Typical 12,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

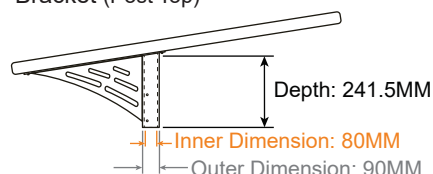
IP68 Waterproof Connector

PACKING & WEIGHT

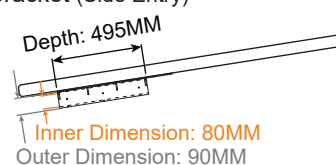
Product Size	: 1810*410*60MM (Luminaire) : 785*170*250MM (Post Top Bracket) : 785*166*247MM (Side Entry Bracket)
Packing Size	: 1860*475*115MM (Luminaire) : 800*180*300MM (Post Top Bracket) : 800*180*165MM (Side Entry Bracket)
Net Weight	
Luminaire	: 24.4KG (2 days) / 27.3KG (3 days)
Bracket	: 12KG (Post Top) / 16.5KG (Side Entry)
Gross Weight	
Luminaire	: 26.9KG (2 days) / 29.8KG (3 days)
Bracket	: 12.6KG (Post Top) / 17.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



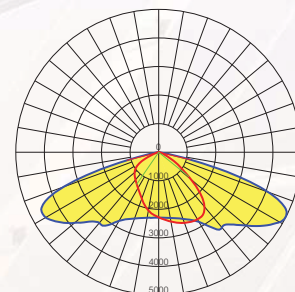
JKC-K-80W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days) : 25.6V 90AH 2304WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: TYF 5050
Chip Quantity	: 100 PCS
System Efficacy	: Typical 196 lm/W
Total Lumen	: Typical 15,680 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 7 - 8M
Distance : 23 - 30M

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

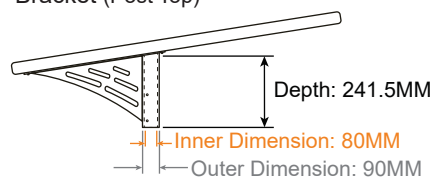
IP68 Waterproof Connector

PACKING & WEIGHT

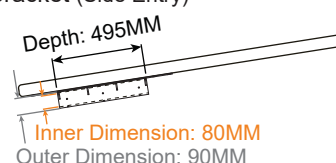
Product Size	: 1810*410*60MM (Luminaire) : 785*170*250MM (Post Top Bracket) : 785*166*95MM (Side Entry Bracket)
Packing Size	: 1860*475*115MM (Luminaire) : 800*180*300MM (Post Top Bracket) : 800*180*165MM (Side Entry Bracket)
Net Weight	
Luminaire	: 24.4KG (2 days) / 29.7KG (3 days)
Bracket	: 12KG (Post Top) / 16.5KG (Side Entry)
Gross Weight	
Luminaire	: 26.9KG (2 days) / 32.2KG (3 days)
Bracket	: 12.6KG (Post Top) / 17.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



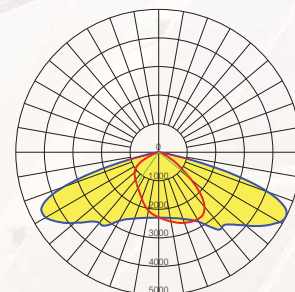
JKC-K-100W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days) : 25.6V 120AH 3072WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 196lm/W
Total Lumen	: Typical 19,600 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 10M
Distance : 23 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

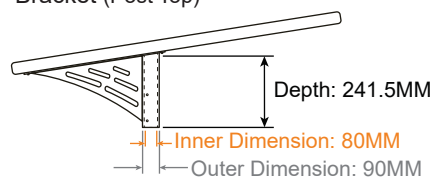
IP68 Waterproof Connector

PACKING & WEIGHT

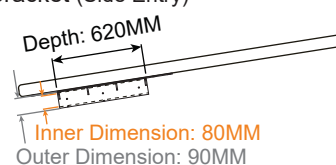
Product Size	: 1940*600*60MM (Luminaire) : 810*240*250MM (Post Top Bracket) : 810*95*240MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 830*270*300MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 35.2KG (2 days) / 43.6KG (3 days)
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 37.7KG (2 days) / 46.1KG (3 days)
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



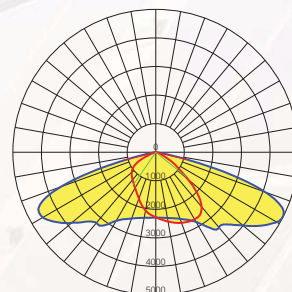
JKC-K-120W HE

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days) : 25.6V 135AH 3456WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 23,040 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 12M
Distance : 23 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

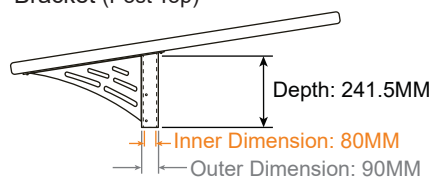
IP68 Waterproof Connector

PACKING & WEIGHT

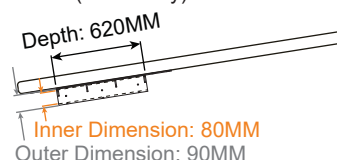
Product Size	: 1940*600*60MM (Luminaire) : 810*240*250MM (Post Top Bracket) : 810*95*240MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 830*270*300MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 35.2KG (2 days) / 43.6KG (3 days)
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 37.7KG (2 days) / 46.1KG (3 days)
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



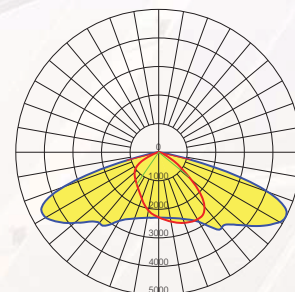
JKC-K-150W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 120AH 3072WH (2 days) : 25.6V 180AH 4608WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 28,800 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 30 - 35M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

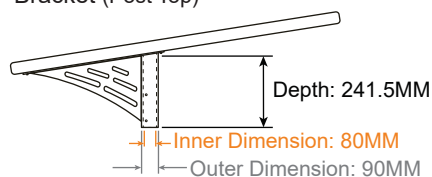
IP68 Waterproof Connector

PACKING & WEIGHT

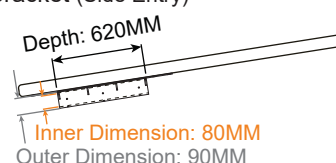
Product Size	: 1765*980*60MM (Luminaire) : 900*360*250MM (Post Top Bracket)
Packing Size	: 850*95*360MM (Side Entry Bracket) : 1830*1050*115MM (Luminaire) : 925*300*265MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	: 54KG (2 days) / 66KG (3 days)
Luminaire	: 21.5KG (Post Top) / 26KG (Side Entry)
Bracket	
Gross Weight	: 56.5KG (2 days) / 68.5KG (3 days)
Luminaire	: 22.5KG (Post Top) / 27KG (Side Entry)
Bracket	

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



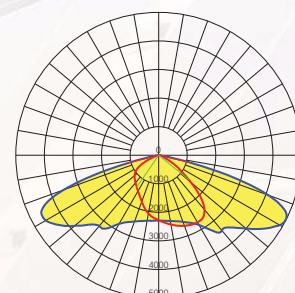
JKC-K-180W **HE**

Integrated Solar LED Street Light

HE Series (2 days autonomy / 3 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 150AH 3840WH (2 days) : 25.6V 210AH 5376WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 180W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 34,560 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 30 - 35M

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

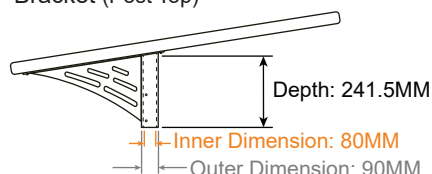
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1765*980*60MM (Luminaire) : 900*360*247MM (Post Top Bracket)
Packing Size	: 850*95*360MM (Side Entry Bracket) : 1830*1050*115MM (Luminaire) : 925*265*300MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 60.44KG (2 days) / 70.8KG (3 days)
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 62.9KG (2 days) / 73.3KG (3 days)
Bracket	: 22.5KG (Post Top) / 27KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)

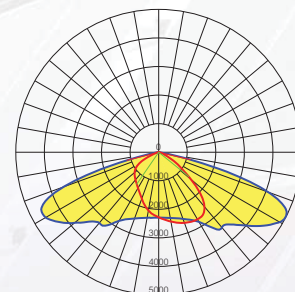
JKC-K-60W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 150 lm/W
Total Lumen	: Typical 12,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 30M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

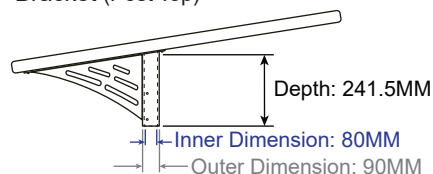
IP68 Waterproof Connector

PACKING & WEIGHT

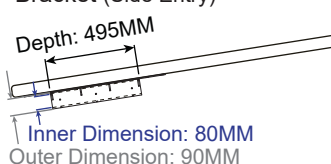
Product Size	: 1940*600*60MM (Luminaire) : 785*167*247MM (Post Top Bracket) : 785*166*247MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 800*180*300MM (Post Top Bracket) : 800*180*165MM (Side Entry Bracket)
Net Weight	
Luminaire	: 35.2KG
Bracket	: 12KG (Post Top) / 16.5KG (Side Entry)
Gross Weight	
Luminaire	: 37.7KG
Bracket	: 12.6KG (Post Top) / 17.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



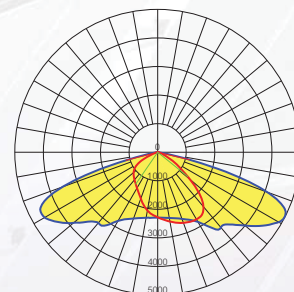
JKC-K-80W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 196lm/W
Total Lumen	: Typical 15,680 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 7 - 8M
Distance : 23 - 30M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

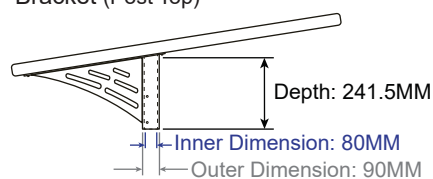
IP68 Waterproof
Connector

PACKING & WEIGHT

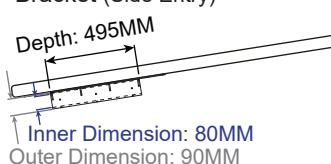
Product Size	: 1940*600*60MM (Luminaire) : 785*167*247MM (Post Top Bracket) : 785*166*247MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 800*180*300MM (Post Top Bracket) : 800*180*165MM (Side Entry Bracket)
Net Weight	
Luminaire	: 35.2KG
Bracket	: 12KG (Post Top) / 16.5KG (Side Entry)
Gross Weight	
Luminaire	: 37.7KG
Bracket	: 12.6KG (Post Top) / 17.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



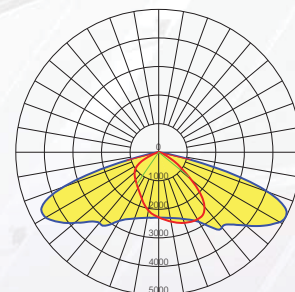
JKC-K-100W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 196lm/W
Total Lumen	: Typical 19,600 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 10M
Distance : 23 - 30M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

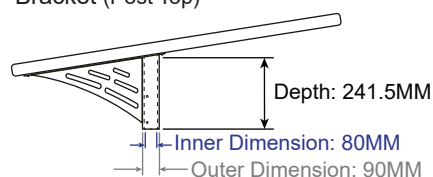
IP68 Waterproof Connector

PACKING & WEIGHT

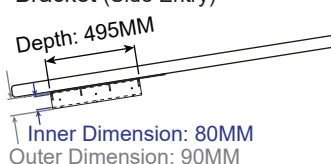
Product Size	: 1765*980*60MM (Luminaire) : 810*240*247MM (Post Top Bracket) : 810*95*240MM (Side Entry Bracket)
Packing Size	: 1830*1050*115MM (Luminaire) : 830*270*300MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 43.36KG
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 45.86KG
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



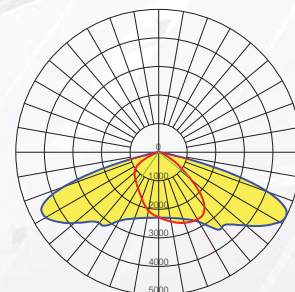
JKC-K-120W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 120AH 3072WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 23,040 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 12M
Distance : 23 - 30M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

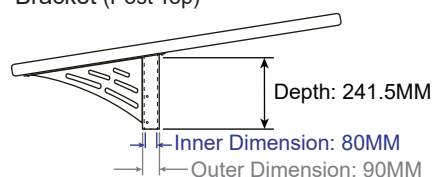
IP68 Waterproof Connector

PACKING & WEIGHT

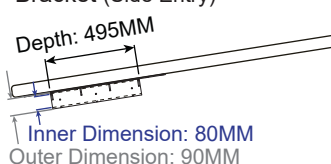
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Packing Size	: 1830*1050*115MM (Luminaire) : 830*270*300MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 54KG
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 56.5KG
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



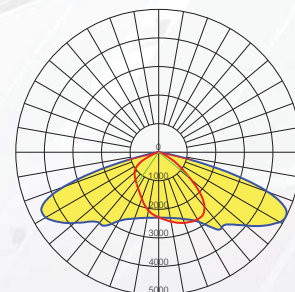
JKC-K-150W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 33V 400W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 150AH 3840WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 28,800 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 12M
Distance : 30 - 35M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

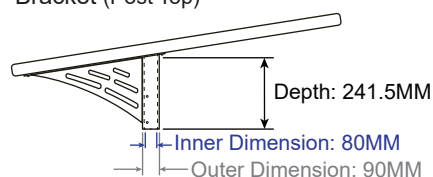
IP68 Waterproof Connector

PACKING & WEIGHT

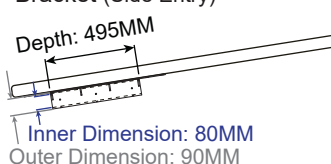
Product Size	: 2165*975*60MM (Luminaire) : 900*240*247MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 2199*1050*115MM (Luminaire) : 925*265*300MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 63.5KG
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 66KG
Bracket	: 22.5KG (Post Top) / 27KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



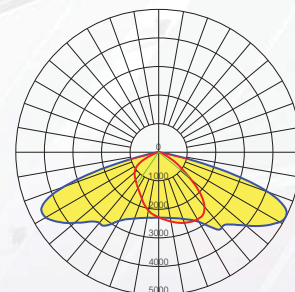
JKC-K-180W HP

Integrated Solar LED Street Light

HP Series (2 days autonomy)



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 33V 400W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 150AH 3840WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 180W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 192 lm/W
Total Lumen	: Typical 34,560 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 30 - 35M

DIMMING SYSTEM

Option A:
4H 100% + 2H 60% + 6H 40%
Option B: 5H 100% + 7H 50%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

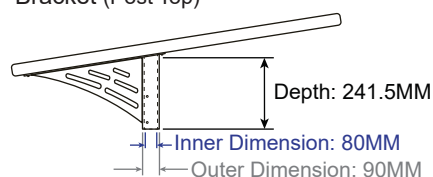
IP68 Waterproof Connector

PACKING & WEIGHT

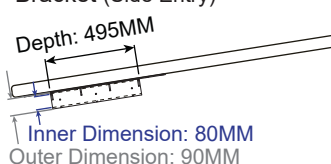
Product Size	: 2166*975*60MM (Luminaire) : 900*240*247MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 2199*1050*115MM (Luminaire) : 925*265*300MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 63.5KG
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 66KG
Bracket	: 22.5KG (Post Top) / 27KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



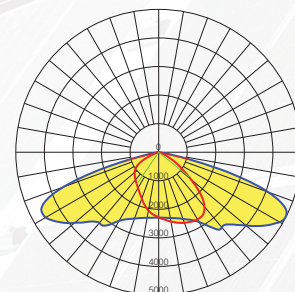
JKC-F-60W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days) : 25.6V 90AH 2304WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: Lumileds 5050
Chip Quantity	: 28 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 10,200 lm - 12,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 7 - 8M
Distance : 22 - 30M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

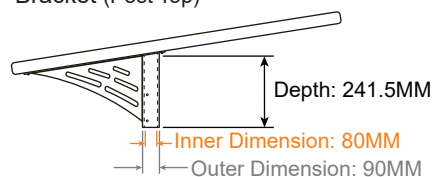
IP68 Waterproof
Connector

PACKING & WEIGHT

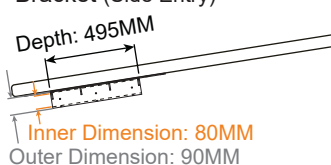
Product Size	: 1930*600*60MM (Luminaire) : 810*280*250MM (Post Top Bracket) : 810*95*240MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 830*300*270MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 28.9KG (2 days) / 33.8KG (3 days)
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 31.5KG (2 days) / 36.3KG (3 days)
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



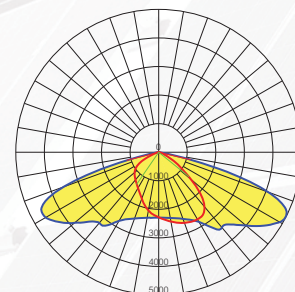
JKC-F-80W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days) : 25.6V 150AH 2840WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 13,600 lm - 16,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 7 - 8M
Distance : 22 - 34M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

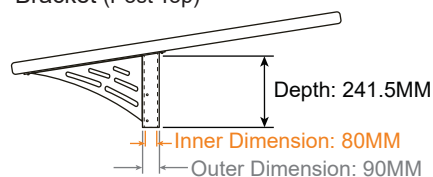
IP68 Waterproof
Connector

PACKING & WEIGHT

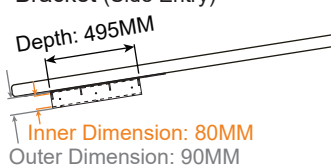
Product Size	: 1930*600*60MM (Luminaire) : 810*280*250MM (Post Top Bracket) : 810*95*240MM (Side Entry Bracket)
Packing Size	: 1980*660*115MM (Luminaire) : 830*300*270MM (Post Top Bracket) : 830*115*290MM (Side Entry Bracket)
Net Weight	
Luminaire	: 33.8KG (2 days) / 43.4KG (3 days)
Bracket	: 15.3KG (Post Top) / 19.8KG (Side Entry)
Gross Weight	
Luminaire	: 36.3KG (2 days) / 45.97KG (3 days)
Bracket	: 16.5KG (Post Top) / 21KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



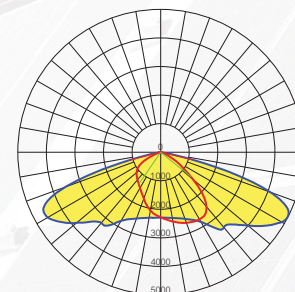
JKC-F-100W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 120AH 3072WH (2 days) : 25.6V 180AH 4608WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 17,000 lm - 20,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 10M
Distance : 23 - 34M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

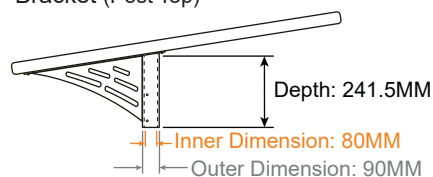
IP68 Waterproof Connector

PACKING & WEIGHT

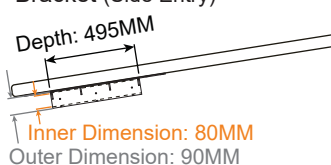
Product Size	: 1765*970*60MM (Luminaire) : 900*247*240MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 1830*1050*115MM (Luminaire) : 925*300*265MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 52.5KG (2 days) / 62.2KG (3 days)
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 56.3KG (2 days) / 65.96KG (3 days)
Bracket	: 22.5KG (Post Top) / 27.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



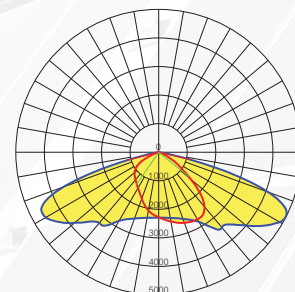
JKC-F-120W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 150AH 3840WH (2 days) : 25.6V 210AH 5376WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 20,400 lm - 24,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 23 - 34M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

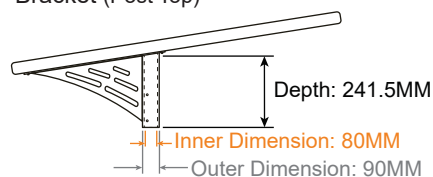
IP68 Waterproof
Connector

PACKING & WEIGHT

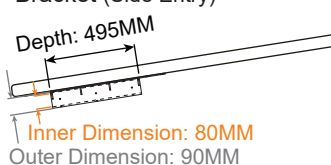
Product Size	: 1765*970*60MM (Luminaire) : 900*247*240MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 1830*1050*115MM (Luminaire) : 925*300*265MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 57.3KG (2 days) / 67.0KG (3 days)
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 61.1KG (2 days) / 70.8KG (3 days)
Bracket	: 22.5KG (Post Top) / 27.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



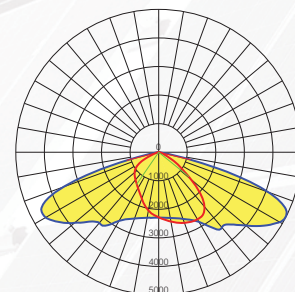
JKC-F-150W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 400W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 180AH 4608WH (2 days) : 25.6V 270AH 6912WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 25,500 lm - 30,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-30°C ~ +70°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 35 - 38M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

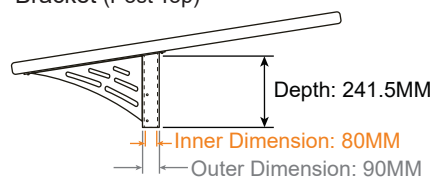
IP68 Waterproof
Connector

PACKING & WEIGHT

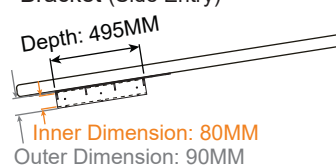
Product Size	: 2155*970*60MM (Luminaire) : 900*247*240MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 2205*1030*115MM (Luminaire) : 925*300*265MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 70.5KG (2 days) / 85KG (3 days)
Bracket	: 21.5KG (Post Top) / 26KG (Side Entry)
Gross Weight	
Luminaire	: 75.1KG (2 days) / 89.6KG (3 days)
Bracket	: 22.5KG (Post Top) / 27.1KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



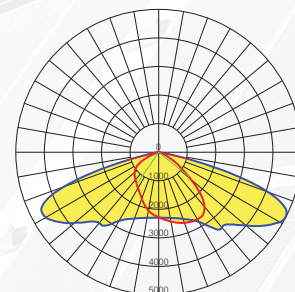
JKC-F-180W

Integrated Solar LED Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 480W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 210AH 5376WH (2 days) : 25.6V 315AH 8064WH (3 days)
Lifetime	: 5 Years

LED LAMP

Max Power	: 180W
LED Chip	: Lumileds 5050
Chip Quantity	: 96 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 30,600 lm - 36,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

INGRESS PROTECTION

IP66 Optical
Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-30°C ~ +70°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 35 - 38M

DIMMING SYSTEM

12H 100%

CASING MATERIAL

Aluminium Alloy

WIRE CONNECTOR

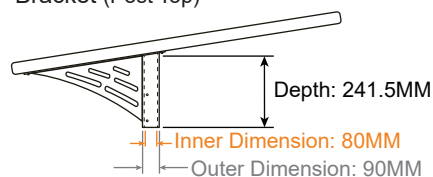
IP68 Waterproof
Connector

PACKING & WEIGHT

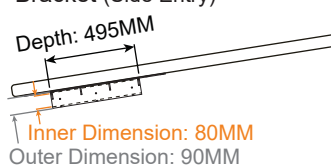
Product Size	: 2149*1159*60MM (Luminaire) : 900*250*380MM (Post Top Bracket) : 850*95*360MM (Side Entry Bracket)
Packing Size	: 2199*1219*115MM (Luminaire) : 1175*300*465MM (Post Top Bracket) : 925*265*375MM (Side Entry Bracket)
Net Weight	
Luminaire	: 73.3KG (2 days) / 90.0KG (3 days)
Bracket	: 37.3KG (Post Top) / 41.8KG (Side Entry)
Gross Weight	
Luminaire	: 77.8KG (2 days) / 94.5KG (3 days)
Bracket	: 38.7KG (Post Top) / 43.2KG (Side Entry)

MOUNTING BRACKET TYPE

Bracket (Post Top)



Bracket (Side Entry)



JKC-A & JKC-AF Features



NEP LED Module High Efficiency LED Chip High Power LED Chip 5050

* Compliance with IES LM-79

Lumen Efficacy	: 185 - 200 lm/W
Casing material	: Extrusion Aluminium
Lens material	: PMMA (Poly Methyl Methacrylate) & Polycarbonate

NEP LED Module - LED IP67 Modular Optical System

Aluminium Extrusion High Thermal Conductivity

Quickly transfers heat from LED and into the heat sink. It prolongs LED life span.



Monocrystalline Silicon Solar Panel

High quality with
Excellent Efficiency (>19%)

* Compliance with IEC 61215-2



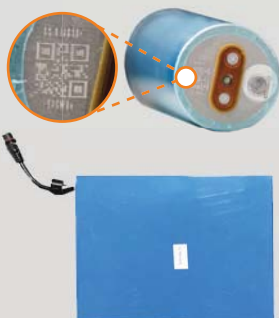
Solar Charge Controller

* Compliance with IEC 62109-1

Adjustable LED Module Angle



Solar Battery Cell



Lithium Iron Phosphate (LiFePO4) Battery

- OEM Grade A battery cells.
- Each battery is equipped with a unique QR code to ensure easy traceability.
- Tested for 500 cycles with >90% capacity retention
- Over 2,500 charge cycles with capacity retention >80%
- The battery has a lifespan of 5 years.

* Compliance with IEC 62133-2 & IEC 62620

Easy Removable Battery



IP68 Waterproof Connector



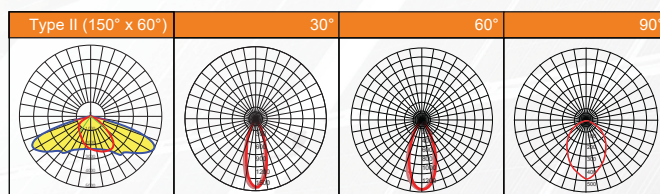
JKC-A-40W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 30AH 768WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 40W
LED Chip	: TYF 5050
Chip Quantity	: 50 PCS
System Efficacy	: Typical 175 lm/W - 200 lm/W
Total Lumen	: Typical 7,000 lm - 8,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 4 - 6M
Distance : 16 - 25M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

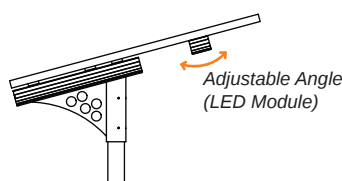
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 900*410*125MM (Luminaire)
	: 640*167*247MM (Bracket)
Packing Size	: 980*490*225MM (Luminaire)
	: 660*187*267MM (Bracket)
Net Weight	
Luminaire	: 31.3KG
Bracket	: 3.4KG
Gross Weight	
Luminaire	: 33.8KG
Bracket	: 3.9KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



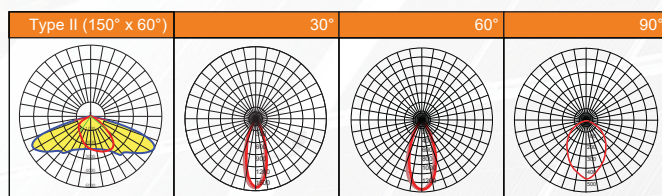
JKC-A-60W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days)
Lifetime	: 25.6V 75AH 1920WH (3 days) : 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: TYF 5050
Chip Quantity	: 100 PCS
System Efficacy	: Typical 175 lm/W - 200 lm/W
Total Lumen	: Typical 10,500 lm - 12,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 23 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

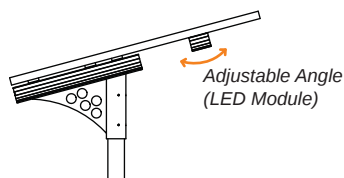
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1800*410*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 1880*490*225MM (Luminaire) : 660*187*267MM (Bracket)
Net Weight	
Luminaire	: 43.0KG (3 days) / 40.6KG (2 days)
Bracket	: 3.4KG
Gross Weight	
Luminaire	: 45.5KG (3 days) / 43.1KG (2 days)
Bracket	: 4.1KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



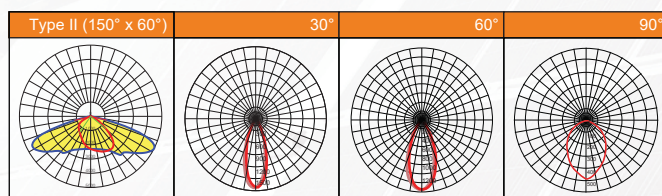
JKC-A-80W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days)
Lifetime	: 25.6V 90AH 2304WH (3 days) : 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: TYF 5050
Chip Quantity	: 100 PCS
System Efficacy	: Typical 175 lm/W - 200 lm/W
Total Lumen	: Typical 14,000 lm - 16,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 10M
Distance : 23 - 30M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

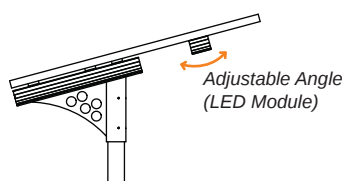
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1800*410*125MM (Luminaire) : 705*240*247MM (Bracket)
Packing Size	: 1880*490*225MM (Luminaire) : 725*260*267MM (Bracket)
Net Weight	
Luminaire	: 45.4KG (3 days) / 40.6KG (2 days)
Bracket	: 4.0KG
Gross Weight	
Luminaire	: 47.9KG (3 days) / 43.1KG (2 days)
Bracket	: 4.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



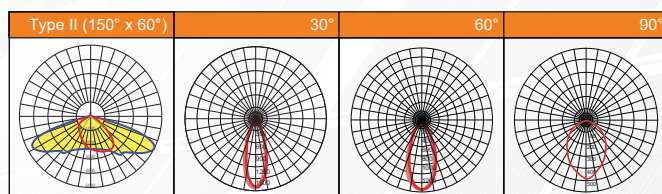
JKC-A-100W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days)
Lifetime	: 25.6V 120AH 3072WH (3 days) : 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 17,000 lm - 20,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 23 - 34M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

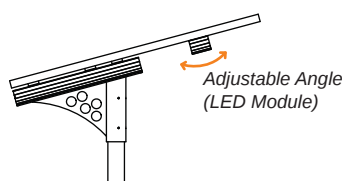
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1930*600*125MM (Luminaire) : 846*400*120.5MM (Bracket)
Packing Size	: 2010*680*225MM (Luminaire) : 866*410*170MM (Bracket)
Net Weight	
Luminaire	: 67.6KG (3 days) / 62.8KG (2 days)
Bracket	: 5.0KG
Gross Weight	
Luminaire	: 70.1KG (3 days) / 65.3KG (2 days)
Bracket	: 5.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



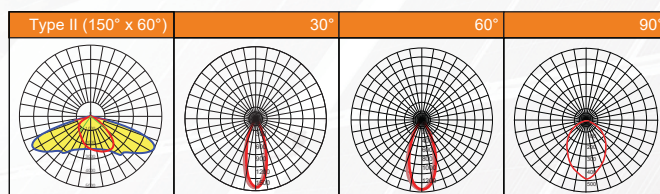
JKC-A-120W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days)
Lifetime	: 25.6V 135AH 3456WH (3 days) : 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: TYF 5050
Chip Quantity	: 150 PCS
System Efficacy	: Typical 175 lm/W - 200 lm/W
Total Lumen	: Typical 21,000 lm - 24,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-30°C ~ +70°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 30 - 38M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

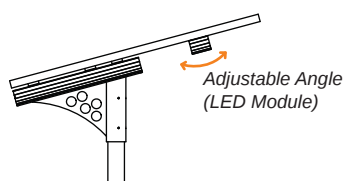
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1930*600*125MM (Luminaire) : 846*650*120.5MM (Bracket)
Packing Size	: 2010*680*225MM (Luminaire) : 866*770*170MM (Bracket)
Net Weight	
Luminaire	: 70.0KG (3 days) / 62.8KG (2 days)
Bracket	: 5.0KG
Gross Weight	
Luminaire	: 72.5KG (3 days) / 65.3KG (2 days)
Bracket	: 5.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



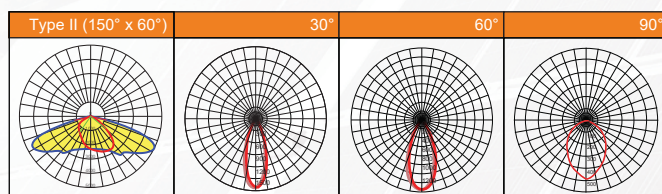
JKC-A-150W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 120AH 3072WH (2 days)
Lifetime	: 25.6V 180AH 4608WH (3 days) : 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: TYF 5050
Chip Quantity	: 200 PCS
System Efficacy	: Typical 175 lm/W - 200 lm/W
Total Lumen	: Typical 26,250 lm - 30,000 lm
Lifetime	: 108,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-30°C ~ +70°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

4H 100% + 2H 60% + 6H 40%

WIRE CONNECTOR

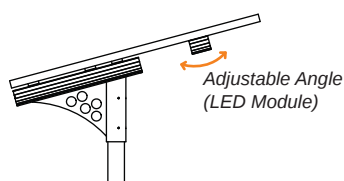
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1755*970*125MM (Luminaire) : 846*650*120.5MM (Bracket)
Packing Size	: 1835*1050*225MM (Luminaire) : 866*660*170MM (Bracket)
Net Weight	
Luminaire	: 99.9KG (3 days) / 85.5KG (2 days)
Bracket	: 6.0KG
Gross Weight	
Luminaire	: 102.4KG (3 days) / 88.0KG (2 days)
Bracket	: 6.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



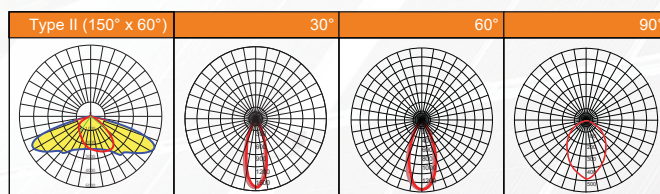
JKC-AF-40W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 45AH 1152WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 40W
LED Chip	: Lumileds 5050
Chip Quantity	: 28 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 6,800 lm - 8,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 4 - 6M
Distance : 16 - 25M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

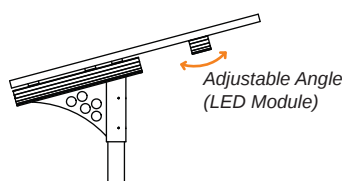
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1800*410*125MM (Luminaire)
	: 640*167*247MM (Bracket)
Packing Size	: 1880*490*225MM (Luminaire)
	: 1040*277*342MM (Bracket)
Net Weight	
Luminaire	: 37.2KG
Bracket	: 3.4KG
Gross Weight	
Luminaire	: 39.7KG
Bracket	: 4.1KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



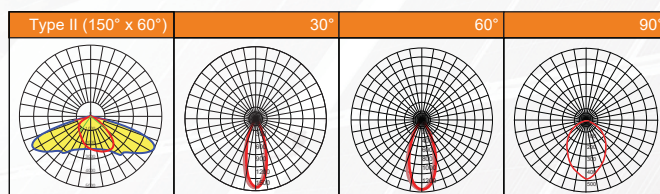
JKC-AF-60W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH (2 days)
Lifetime	: 25.6V 90AH 2304WH (3 days) : 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: Lumileds 5050
Chip Quantity	: 28 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 10,200 lm - 12,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 7 - 8M
Distance : 23 - 34M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

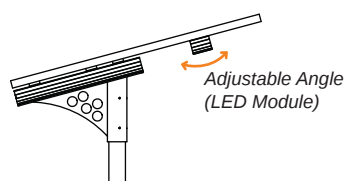
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1930*600*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 2010*680*225MM (Luminaire) : 660*277*342MM (Bracket)
Net Weight	
Luminaire	: 56.5KG (2 days) / 61.3KG (3 days)
Bracket	: 3.4KG
Gross Weight	
Luminaire	: 63.8KG (2 days) / 73.4KG (3 days)
Bracket	: 4.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



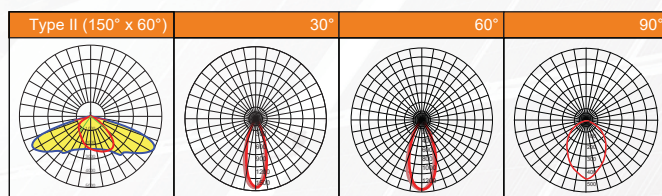
JKC-AF-80W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 210W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 90AH 2304WH (2 days)
Lifetime	: 25.6V 150AH 3840WH (3 days) : 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 13,600 lm - 16,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 10M
Distance : 23 - 34M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

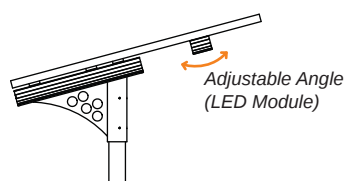
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1930*600*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 2010*680*225MM (Luminaire) : 660*277*342MM (Bracket)
Net Weight	
Luminaire	: 61.3KG (2 days) / 70.9KG (3 days)
Bracket	: 4.0KG
Gross Weight	
Luminaire	: 63.8KG (2 days) / 73.4KG (3 days)
Bracket	: 4.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



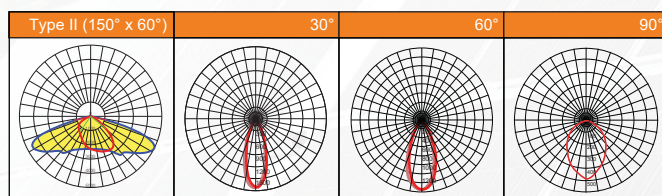
JKC-AF-100W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 120AH 3072WH (2 days)
Lifetime	: 25.6V 180AH 4608WH (3 days) : 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 17,000 lm - 20,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 23 - 34M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

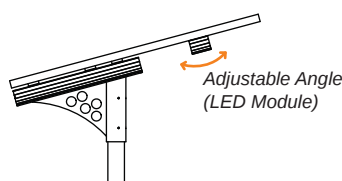
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1755*970*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 1835*1050*225MM (Luminaire) : 660*277*342MM (Bracket)
Net Weight	
Luminaire	: 88.1KG (2 days) / 97.1KG (3 days)
Bracket	: 4.17KG
Gross Weight	
Luminaire	: 90.6KG (2 days) / 100.2KG (3 days)
Bracket	: 4.87KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



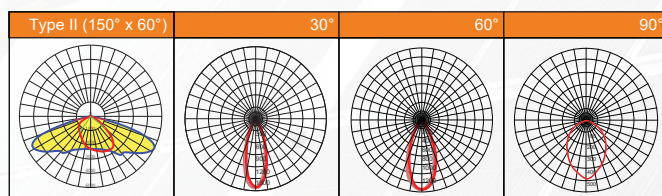
JKC-AF-120W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 320W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 150AH 3840WH (2 days)
Lifetime	: 25.6V 210AH 5376WH (3 days) : 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 20,400 lm - 24,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 2 cloudy / rainy days / 24 hours
- 3 cloudy / rainy days / 36 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 30 - 38M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

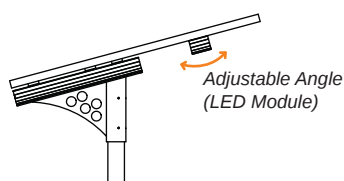
IP68 Waterproof Connector

PACKING & WEIGHT

Product Size	: 1755*970*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 1835*1330*225MM (Luminaire) : 660*277*342MM (Bracket)
Net Weight	
Luminaire	: 83.3KG (2 days) / 102.5KG (3 days)
Bracket	: 6.0KG
Gross Weight	
Luminaire	: 85.81KG (2 days) / 105KG (3 days)
Bracket	: 6.7KG

MOUNTING BRACKET TYPE

Bracket (Post Top Type)



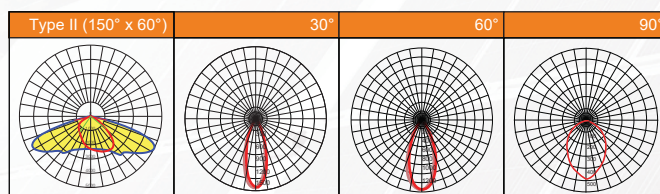
JKC-AF-150W

Integrated Solar LED Floodlight/ Street Light

2 days autonomy / 3 days autonomy



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 400W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 180AH 4608WH (2 days)
Lifetime	: 25.6V 270AH 6912WH (3 days) : 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: Lumileds 5050
Chip Quantity	: 48 PCS
System Efficacy	: Typical 170 lm/W - 200 lm/W
Total Lumen	: Typical 25,500 lm - 30,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°) / 30° / 60° / 90°

INGRESS PROTECTION

IP66 Optical Compartment

CHARGE TIME

By Sun : 4.5 hours

DISCHARGE TIME

- 3 cloudy / rainy days / 72 hours
- 2 cloudy / rainy days / 48 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

3000K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

DIMMING SYSTEM

12H 100%

WIRE CONNECTOR

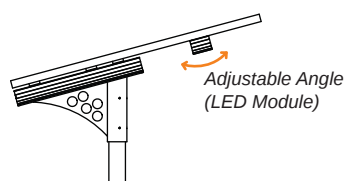
IP68 Waterproof Connector

PACKING & WEIGHT

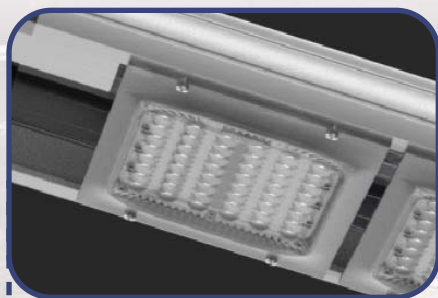
Product Size	: 1755*970*125MM (Luminaire) : 640*167*247MM (Bracket)
Packing Size	: 1835*1050*225MM (Luminaire) : 660*277*342MM (Bracket)
Net Weight	
Luminaire	: 113.9KG (2 days) / 112.1KG (3 days)
Bracket	: 6.0KG
Gross Weight	
Luminaire	: 114.61KG
Bracket	: 6.7KG

MOUNTING BRACKET TYPE

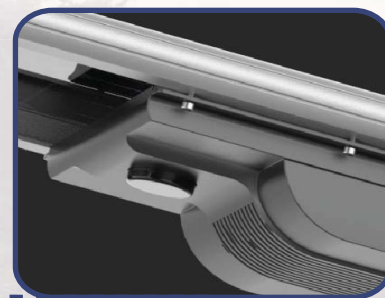
Bracket (Post Top Type)



JKC-FX Features



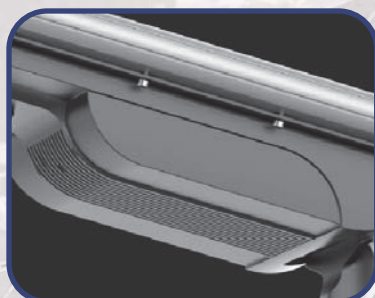
High Efficiency LED



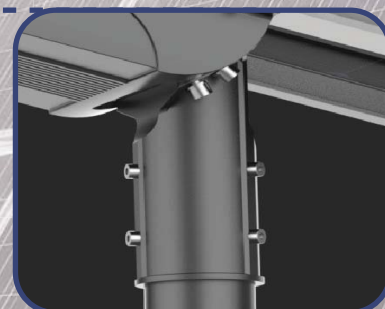
Sensor & Indicators
Motion Sensor + Power
Indicator + Magnetic Switch



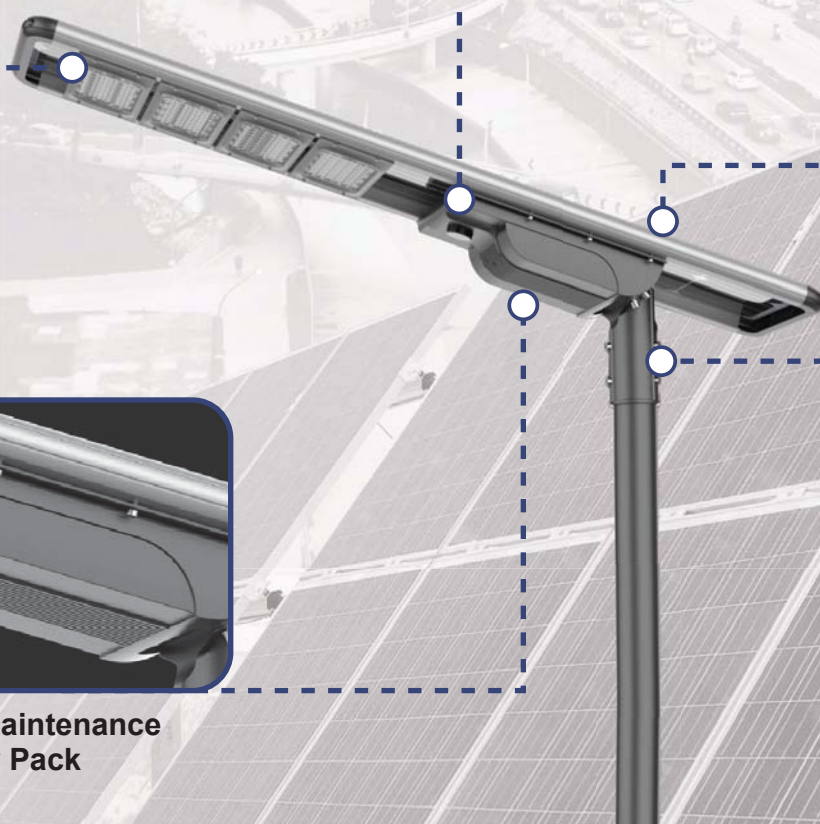
**Monocrystalline Silicon
Solar Panel**
High quality with
Excellent Efficiency (>21%)



**Easy Maintenance
Battery Pack**



Adjustable Bracket Angle
0°-90° Adjustable tilt to achieve
precise road illumination



User Manual for Remote Control



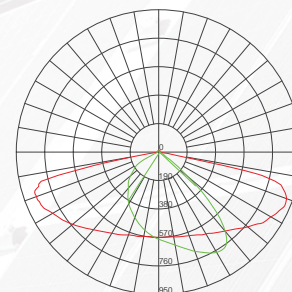
- Demo** : No matter day or night, light "ON" for 1 minute, only for test use.
- Off** : No matter day or night, light "OFF".
- L** : At night, 12H at full power.
- T** : At night, 4H at full power + 8H 25%.
- M** : At night, 12H motion sensor control.
- U** : At night, 4H at full power + 8H motion sensor control.

JKC-FX-40W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 55W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 15AH 192WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 40W
LED Chip	: Bridgelux 3030
Chip Quantity	: 96 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 8,800 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 7M
Distance : 20 - 25M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

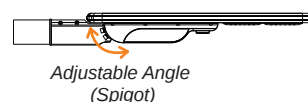
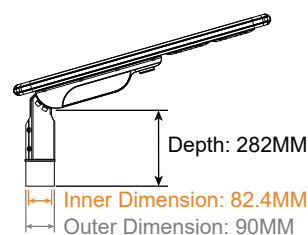
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Product Size	: 848*385*108MM
Packing Size	: 905*435*160MM
Net Weight	: 10KG
Gross Weight	: 11.5KG

MOUNTING BRACKET TYPE

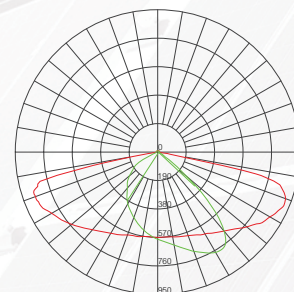


JKC-FX-50W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 65W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 30AH 384WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 50W
LED Chip	: Bridgelux 3030
Chip Quantity	: 144 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 11,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 25M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

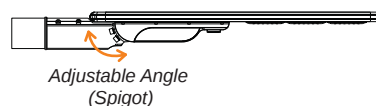
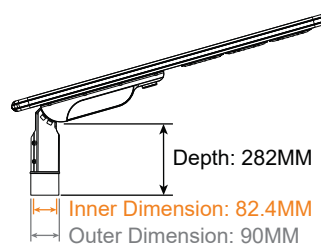
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Product Size	: 1078*385*108MM
Packing Size	: 1140*435*160MM
Net Weight	: 12.5KG
Gross Weight	: 14KG

MOUNTING BRACKET TYPE

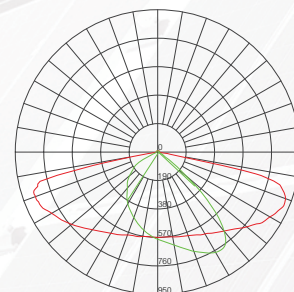


JKC-FX-60W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 65W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 30AH 384WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: Bridgelux 3030
Chip Quantity	: 144 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 13,200 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 25M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

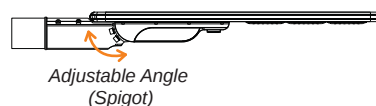
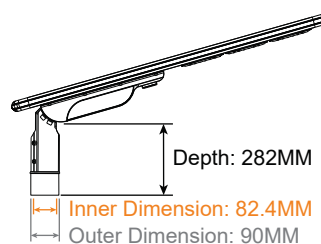
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Product Size	: 1077*385*108MM
Packing Size	: 1135*435*160MM
Net Weight	: 12.8KG
Gross Weight	: 14.5KG

MOUNTING BRACKET TYPE

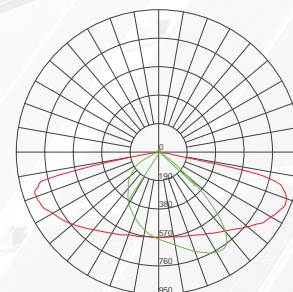


JKC-FX-80W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 95W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 45AH 576WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: Bridgelux 3030
Chip Quantity	: 144 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 17,600 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

WORKING TEMPERATURE

-25°C ~ +65°C

CHARGE TIME

By Sun : 6 - 8 hours

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 9M
Distance : 25 - 30M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

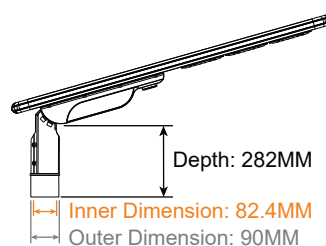
Product Size : 1548*385*108MM (Luminaire)
575*325*95MM (Bracket)

Packing Size : 1605*435*160MM (Luminaire)
630*380*150MM (Bracket)

Net Weight
Luminaire : 10.45KG
Bracket : 7.75KG

Gross Weight
Luminaire : 11.2KG
Bracket : 8.5KG

MOUNTING BRACKET TYPE

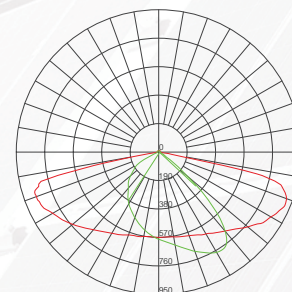


JKC-FX-100W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 115W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 45AH 576WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: Bridgelux 3030
Chip Quantity	: 240 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 22,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

WORKING TEMPERATURE

-25°C ~ +65°C

CHARGE TIME

By Sun : 6 - 8 hours

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 11M
Distance : 30 - 35M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

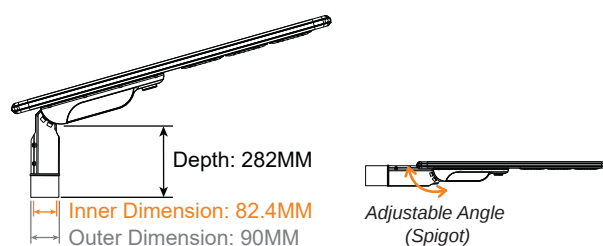
Product Size : 1863*385*108MM (Luminaire)
: 575*325*95MM (Bracket)

Packing Size : 1925*435*160MM (Luminaire)
: 630*380*150MM (Bracket)

Net Weight
Luminaire : 11.75KG
Bracket : 8.95KG

Gross Weight
Luminaire : 12.5KG
Bracket : 9.7KG

MOUNTING BRACKET TYPE

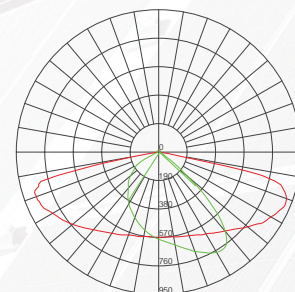


JKC-FX-120W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 115W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 60AH 768WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: Bridgelux 3030
Chip Quantity	: 288 PCS
System Efficacy	: Typical 220 lm/W
Total Lumen	: Typical 26,400 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP65
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
3 - 5 cloudy / rainy days

WORKING TEMPERATURE

-25°C ~ +65°C

CHARGE TIME

By Sun : 6 - 8 hours

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 10 - 12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

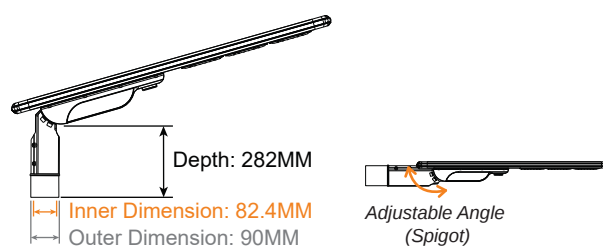
Product Size : 1863*385*108MM (Luminaire)
: 575*325*95MM (Bracket)

Packing Size : 1925*435*160MM (Luminaire)
: 630*380*150MM (Bracket)

Net Weight
Luminaire : 11.75KG
Bracket : 9.55KG

Gross Weight
Luminaire : 12.5KG
Bracket : 10.3KG

MOUNTING BRACKET TYPE



JKC-QH Features



**Adjustable
LED Module Angle**

**Monocrystalline Silicon
Solar Panel**
High quality with
Excellent Efficiency (>21%)



Sensor & Indicators
Motion Sensor + Power
Indicator + Magnetic Switch



Anti-theft Chain
Secures the battery compartment



**Easy Removable
Battery Compartment**

User Manual for Remote Control



Demo : No matter day or night, light "ON" for 1 minute, only for test use.

Off : No matter day or night, light "OFF".

L : At night, 12H at full power.

T : At night, 3H at full power + 2H 80% + 7H 30%.

M : At night, 12H motion sensor control.

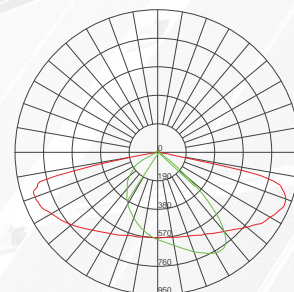
U : At night, 3H at full power + 2H 80% + 7H 30% motion sensor control.

JKC-QH-60W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 65W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 30AH 384WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 60W
LED Chip	: Bridgelux 5050
Chip Quantity	: 96 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 11,400 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 6 - 8M
Distance : 20 - 25M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

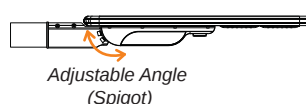
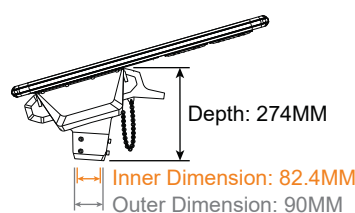
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 949*434*319MM
Luminaire Packing Size	: 1010*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 13.6KG
Gross Weight	: 15.3KG

MOUNTING BRACKET TYPE

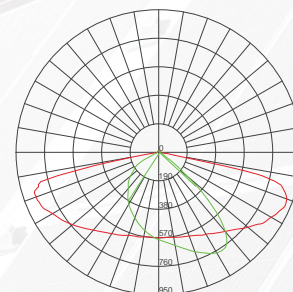


JKC-QH-80W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 90W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 45AH 576WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 80W
LED Chip	: Bridgelux 5050
Chip Quantity	: 144 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 15,200 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 8 - 9M
Distance : 25 - 30M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

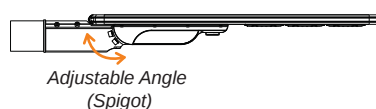
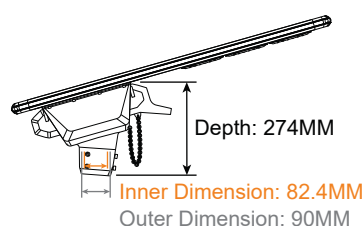
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 1229*434*319MM
Luminaire Packing Size	: 1290*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 16.5KG
Gross Weight	: 18.2KG

MOUNTING BRACKET TYPE

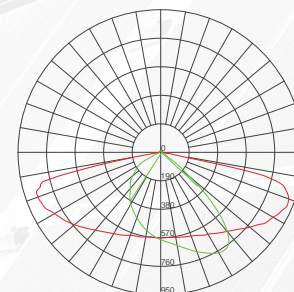


JKC-QH-100W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 115W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 45AH 576WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 100W
LED Chip	: Bridgelux 5050
Chip Quantity	: 192 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 19,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 9 - 10M
Distance : 30 - 35M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

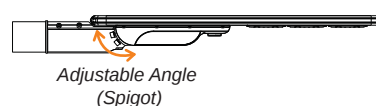
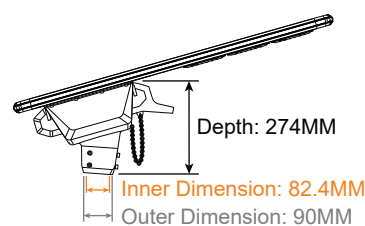
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 1489*434*319MM
Luminaire Packing Size	: 1550*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 18.0KG
Gross Weight	: 19.7KG

MOUNTING BRACKET TYPE

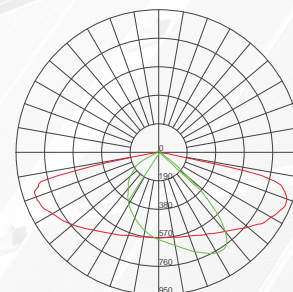


JKC-QH-120W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 125W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 60AH 768WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 120W
LED Chip	: Bridgelux 5050
Chip Quantity	: 192 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 22,800 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 10 - 11M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

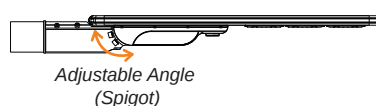
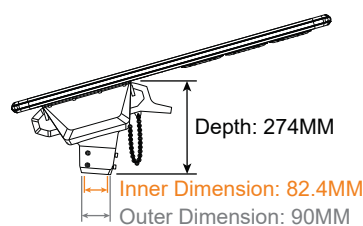
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 1684*434*319MM (Luminaire)
Luminaire Packing Size	: 1745*495*100MM (Luminaire)
Battery Packing Size	: 510*470*270MM (Bracket)
Net Weight	: 20.3KG
Gross Weight	: 21.39KG

MOUNTING BRACKET TYPE

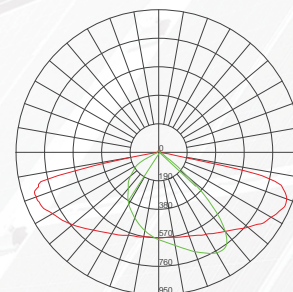


JKC-QH-150W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 18V 135W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 12.8V 75AH 960WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 150W
LED Chip	: Bridgelux 5050
Chip Quantity	: 240 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 28,500 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 10 -12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

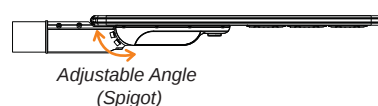
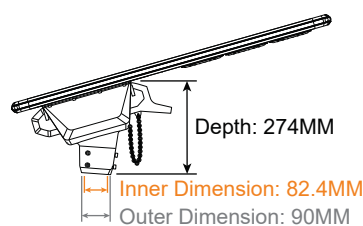
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 1814*434*319MM
Luminaire Packing Size	: 1869*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 22.7KG
Gross Weight	: 24.1KG

MOUNTING BRACKET TYPE

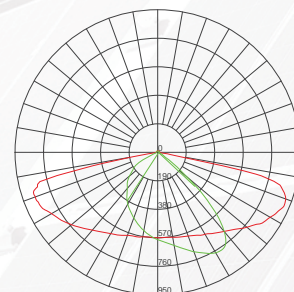


JKC-QH-200W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 150W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 45AH 1152WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 200W
LED Chip	: Bridgelux 5050
Chip Quantity	: 288 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 38,000 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 10 -12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

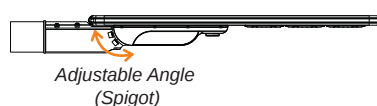
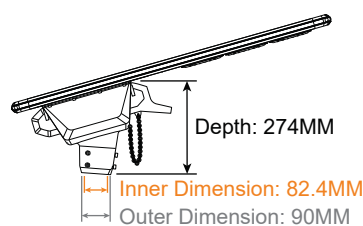
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

Luminaire Size	: 1984*434*319MM
Luminaire Packing Size	: 2045*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 25.3KG
Gross Weight	: 27KG

MOUNTING BRACKET TYPE

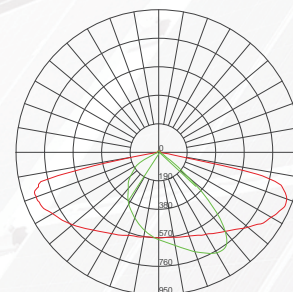


JKC-QH-250W

Integrated Solar LED Street Light



LIGHT DISTRIBUTION CURVE



SOLAR PANEL

Type	: Imported High Efficiency Monocrystalline Silicon
Max Power	: 36V 170W
Lifetime	: 25 Years

BATTERY

Type	: LiFePO4 Battery
Rating	: 25.6V 60AH 1536WH
Lifetime	: 5 Years

LED LAMP

Max Power	: 250W
LED Chip	: Bridgelux 5050
Chip Quantity	: 336 PCS
System Efficacy	: Typical 190 lm/W
Total Lumen	: Typical 47,500 lm
Lifetime	: 50,000 hours
Light Distribution Type	: Type II (150° x 60°)

RATING

Ingress Protection	: IP66
IK Class	: IK10
Wire Connector	: IP68 Waterproof Connector

WORKING TIME

12 hours,
5 - 7 cloudy / rainy days

CHARGE TIME

By Sun : 6 - 8 hours

WORKING TEMPERATURE

-25°C ~ +65°C

COLOUR TEMPERATURE

2700K - 6500K

MOUNTING RECOMMENDATION

Height : 10 -12M
Distance : 35 - 40M

CASING MATERIAL

Aluminium Alloy

MOTION SENSOR & DIMMING SETTINGS

Dimming can be done by dimming schedule or by motion sensor.

Dimming Schedule Mode:

4h at 100% brightness
8h at 25% brightness

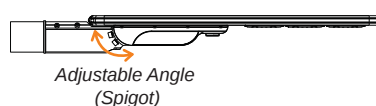
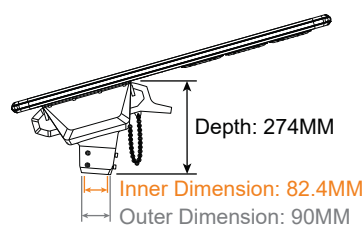
Motion Sensor Mode:

Sensing - 100% brightness
Idle Time - 60 seconds
Standby mode: 25% brightness

PACKING & WEIGHT

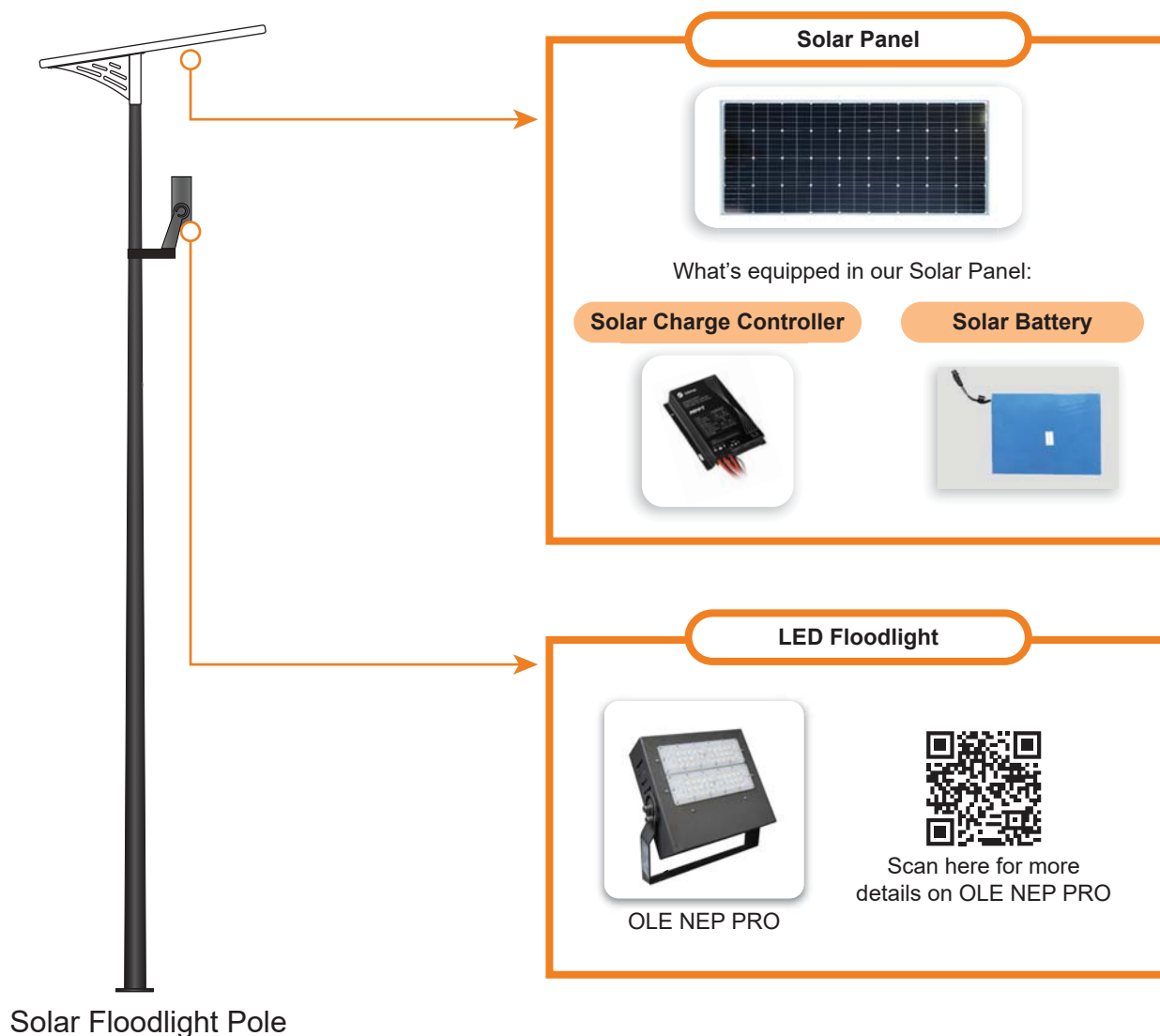
Luminaire Size	: 2264*434*319MM
Luminaire Packing Size	: 2325*495*100MM
Battery Packing Size	: 510*470*270MM
Net Weight	: 29.5KG
Gross Weight	: 31KG

MOUNTING BRACKET TYPE



Solar Floodlight

Model	Solar Flood Light 60W LED	Solar Flood Light 80W LED	Solar Flood Light 100W LED	Solar Flood Light 120W LED	Solar Flood Light 150W LED	Solar Flood Light 180W LED
Output and Capacity	60W	80W	100W	120W	150W	180W
	OLE NEP PRO					
	3000K - 6500K					
	38 - 42V, Constant Current Output					
Solar PV Panel	Monocrystalline Silicon					
	36V					
2 autonomy days	135W	135W	210W	210W	310W	310W
3 autonomy days	135W	135W	210W	210W	310W	310W
Battery	Lithium Battery					
	25.6V					
2 autonomy days	60AH	60AH	90AH	90AH	120AH	135AH
	1536WH	1536WH	2304WH	2304WH	3072WH	3456WH
3 autonomy days	75AH	90AH	120AH	135AH	180AH	210AH
	1920WH	2304WH	3072WH	3456WH	4608WH	5376WH
Charging Capacity	4.5 hours					
Dimming Schedule	4H 100% + 2H 60% + 6H 40%					
Smart Control and Monitoring	Optional					



OLE Solar Bus Shelter

Model	LED T8 2 nos	LED T8 3 nos	LED T8 4 nos	LED T8 5 nos	LED T8 6 nos
Output and Capacity	40W	60W	80W	100W	120W
	T8 LED 20W				
	2700K - 6500K				
Solar PV Panel	Monocrystalline Silicon				
	36V				
Battery	Lithium Battery				
	25.6V				
Operating Mode	1. 12H by dimming schedule: 4H 100% + 2H 60% + 6H 40% 2. 12H Full ON				
Operating Mode / Autonomy	Solar Panel Power (W) Battery Capacity (AH) Battery Energy (WH)				
2 autonomy days	135W	135W	135W	270W	320W
	30AH	60AH	60AH	90AH	90AH
	768WH	1536WH	1536WH	2304WH	2304WH
3 autonomy days	135W	135W	135W	270W	320W
	45AH	75AH	90AH	120AH	150AH
	1152WH	1920WH	2304WH	3072WH	3840WH
Full ON: 12H / 2 days	135W	210W	210W	320W	320W
	45AH	60AH	90AH	120AH	150AH
	1152WH	1536WH	2304WH	3072WH	3840WH
Full ON: 12H / 3 days	135W	210W	210W	320W	320W
	75AH	90AH	150AH	180AH	210AH
	1920WH	2304WH	3840WH	4608WH	5376WH
Charging Capacity	4.5 hours				
Smart Control & Monitoring	Equipment with LCU68SK-DC (Optional)				
Number of Solar Panel needed for installation	1				



Solar Panel



What's equipped in our Solar Panel:

Solar Charge Controller



Solar Battery



LED T8



LED T8 20W
with IP65 &
anti-corrosive fitting

MPPT Solar Charge Controller



SR - DM60 - R/ W

SR - DM120 - R/ W

SR - DM160 - R/ W

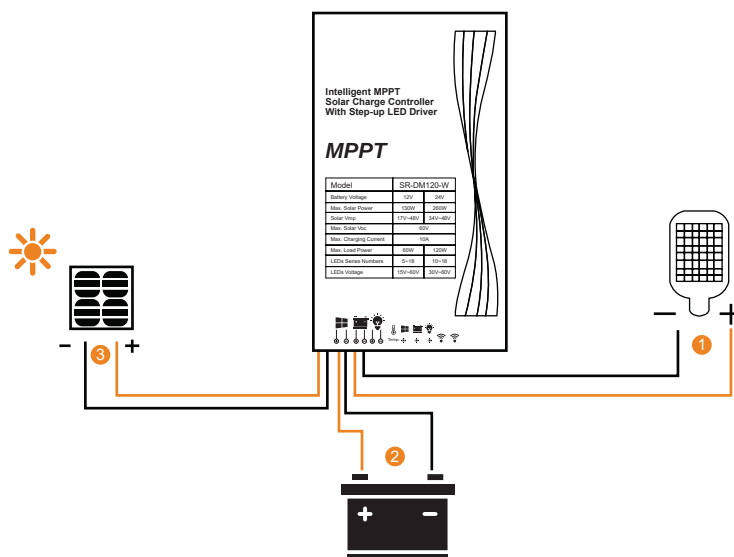
SR - DM200 - R/ W

Specifications:

Items	Values				Adjust-able	Default	
Model	DM60	DM120	DM160	DM200			
Controller type	-R: infrared remote control; -W: 2.4G wireless remote control						
System voltage	12V	12V/ 24V				Lead-acid	
Static power consumption	-R type: ≤5mA	-R type: 6mA/ 12V; 4mA/ 24V		-R type: ≤10mA/ 12V; ≤ 5mA/ 24V			
	-W type: ≤20mA	-W type: 18mA/ 12V;13mA/ 24V		-W type: ≤25mA/ 12V; ≤15mA/ 24V			
Sleep power consumption	≤1 mA						
Load current	50mA ~ 3000mA	50mA ~ 4200mA	50mA ~ 5600mA	150mA ~ 7000mA	√	330mA	
Load voltage	15V ~ 50V	15V ~ 60V		15V ~ 75V			
Maximum load power	60W/ 12V	60W/ 12V; 120W/ 24V 80W/ 12V; 160W/24V 100W/ 12V; 200W/ 24V					
Load conversion efficiency	85% - 96% (Typical efficiency 95%)						
Load current accuracy	≤ 3% ± 30mA						
Intelligent power	High, Moderate, Low, Auto, USE, No				√	Medium	
Load working period	9 - Period + Pre-dawn lighting						
Period adjustment range	1min / 10min						
Power adjustment range	1% / 10%						
Maximum solar input power	130W/ 12V 130W/ 12V ; 260W/ 24V 200W/ 12V ; 400W/ 24V 260W/ 12V ; 520W/ 24V						
Maximum charge current	10A		15A	20A			
Maximum solar input voltage	≤50V	≤60V		≤100V			
MPPT Tracking efficiency	> 99%						
Charging conversion eff.	85% - 98% (Typical efficiency 97%)						

Parameter	Values				Adjustable	Default
Over voltage	PB - 16.0V; LI - overcharge voltage + 2V; × 2, 24V system					16.0V
Limited charge voltage	PB - 15.5V; LI - overcharge voltage + 1V; × 2, 24V system					15.5V
Equalizing charge voltage	PB - 14.6V; LI - None; ×2,24V system					14.6V
Equalizing charge interval	30 days					30D
Boost charge voltage (lead-acid)	8.5V ~ 17.0V ; ×2, 24V system				√	14.4V
Charge voltage (lithium)						
Floating charge voltage (lead-acid)	8.5V ~ 17.0V ; ×2, 24V system				√	13.8V
Charge return voltage (lithium)						
Over discharge voltage	8.5V ~ 17.0V ; ×2,24V system				√	11.0V
Over discharge return voltage	8.5V ~ 17.0V ; ×2,24V system				√	12.5V
Temperature compensation coefficient	PB: -3.0mV/ °C/ 2V; lithium battery: no compensation					
Light control voltage	3V ~ 11V ; ×2, 24V system				√	5V
Light control delay	0S ~ 60S/ 2min ~ 60min				√	10S
High temperature charge	+40°C ~ +90°C				√	65°C
Low temperature charge	0°C ~ -35°C				√	-35°C
Operating temperature	-35°C ~ +65°C					
IP rating	IP67					
Protections	Battery reverse polarity protection, solar panel reverse polarity protection, solar panel over-voltage protection, lithium battery overcharge and overdischarge protection, lithium battery BMS overcharge detection protection, over temperature protection, load open circuit and short circuit protection,					
Weight	260g	400g	5100g	770g		
Controller dimensions (mm)	80*82*22.6	114*82.3*24.5	142*82.3*24.5	155*114.4*34		
Controller mounting dimensions (mm)	65.5*75	82.3*74	82.3*102	102*123		
Mounting hole diameter (mm)	Φ 3.5					

Wiring diagram of the controller



Project References



OLE Solar JKC-K 120W with mid hinge pole at Johor, Malaysia



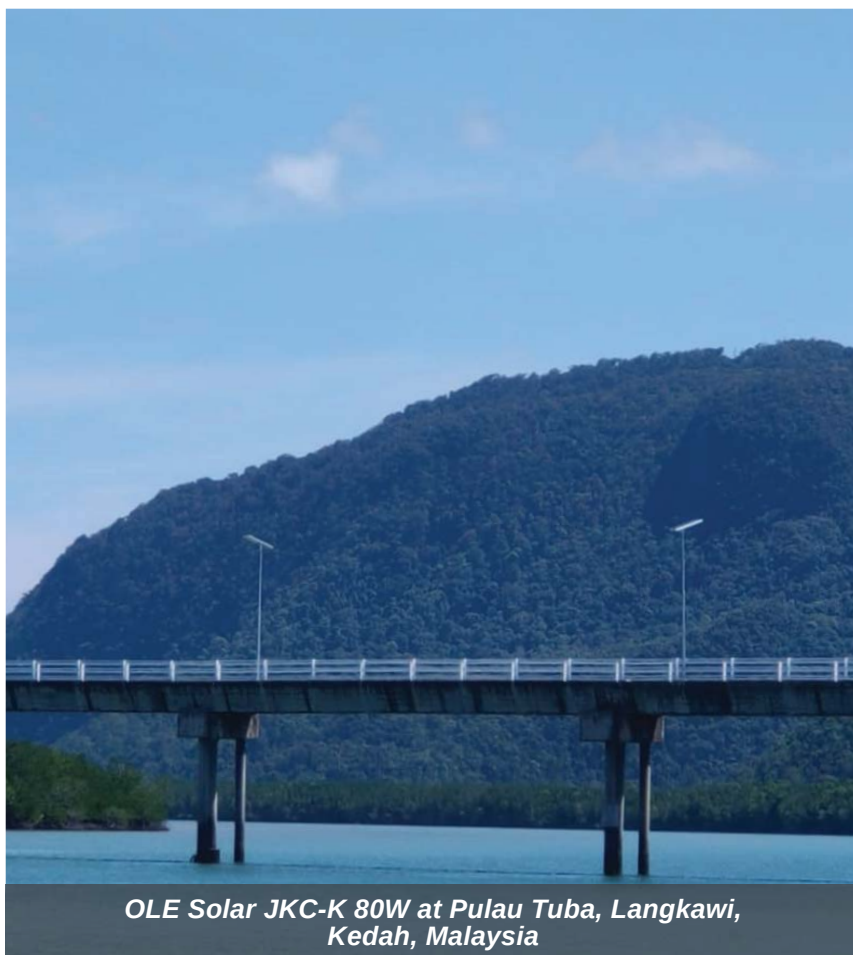
OLE Solar JKC-K 120W at Sg Karas, Labis, Johor, Malaysia



OLE Solar JKC-F 150W at Alam Sutera, Bukit Jalil, DBKL



OLE Solar JKC-K 80W with mid hinge pole at Taman Tasik Sri Gombak, Batu Caves



OLE Solar JKC-K 80W at Pulau Tuba, Langkawi, Kedah, Malaysia



OLE Solar JKC-K 80W at Pulau Tuba, Langkawi, Kedah, Malaysia

Project References



OLE Solar JKC-K 120W
at Federal Route 1266,
JKR Seremban, Malaysia



OLE Solar JKC-K 80W, LoRawan
Gateway at Kota Emerald, Malaysia



OLE Solar JKC-K 80W, LoRawan
Gateway at Kota Emerald, Malaysia



OLE Solar JKC-K 60W at Dewan
Komuniti Kota Emerald, Malaysia



OLE Solar JKC-K 120W at Jalan
Ban Foo, Ulu Tiram, Johor,
Malaysia



OLE Solar JKC-F 120W at
Lebuhraya AMJ, Melaka, Malaysia



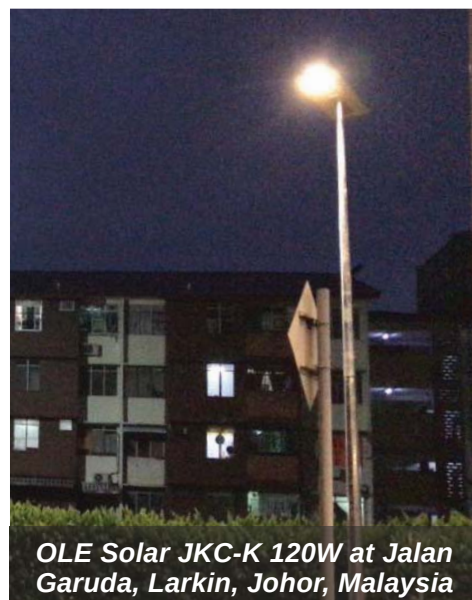
OLE Solar JKC-K 120W at
Langkasuka, Larkin, Johor,
Malaysia



OLE Solar JKC-F 150W at
Alam Sutera, Bukit Jalil, Malaysia



OLE Solar JKC-K 120W
at Pendas, Johor, Malaysia



OLE Solar JKC-K 120W at Jalan
Garuda, Larkin, Johor, Malaysia

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