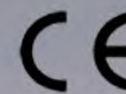




# HANGZHOU MKLIGHTS TECHNOLOGY CO., LTD

- Products Catalog of Spread Wings Design  
Solar Street Light

**New**



IP65

## Spread Wings Series

Semi-integrated Solar Led Street Lights

15° Adjustable Led Panel

- Patent Design
- Semi-Integrated Solar Led Light
- Large Battery Capacity
- Adjustable Led Panel
- High Brightness, 170LM/W
- OEM / ODM Available
- 3 Years Warranty



# Main features

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- Innovative split structural design, with good heat dissipation performance.
- Adjustable LED module angle , satisfying various road lighting needs.
- Brand new A+ class LifePO4 battery with large capacity, support 10 days working after fully charging.
- Adopting imported high-brightness Bridgelux 3030 and 5050 led chips, lab testing luminous efficiency up to 210lm/w

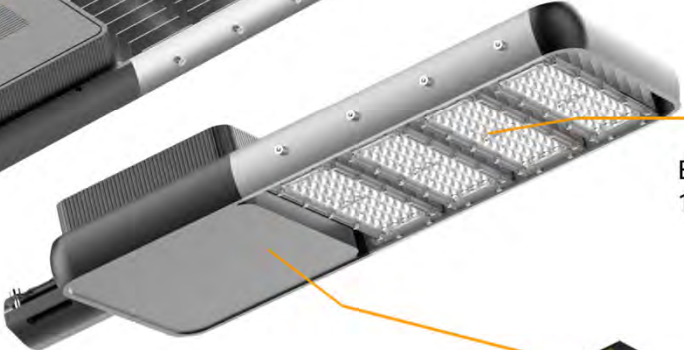
# SSC Series Semi-Integrated Solar Street Lights

A split solar led solar street light, composed of led lamp, battery, solar panel, and controller.

## Solar Street Light Components



Deep Cycle LifePO4 Battery,  
Long Life Cycle > 2000 times



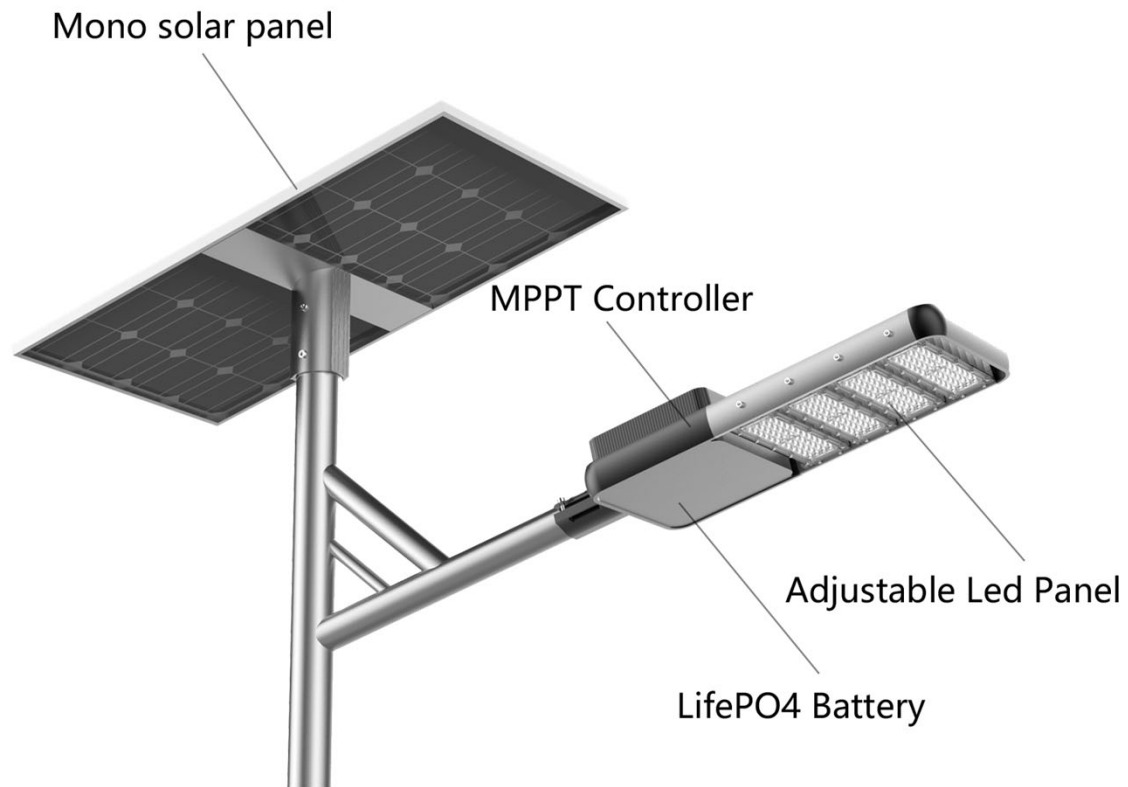
Bridgelux Led Chip,  
170lm/w



MPPT Solar Charge Controller

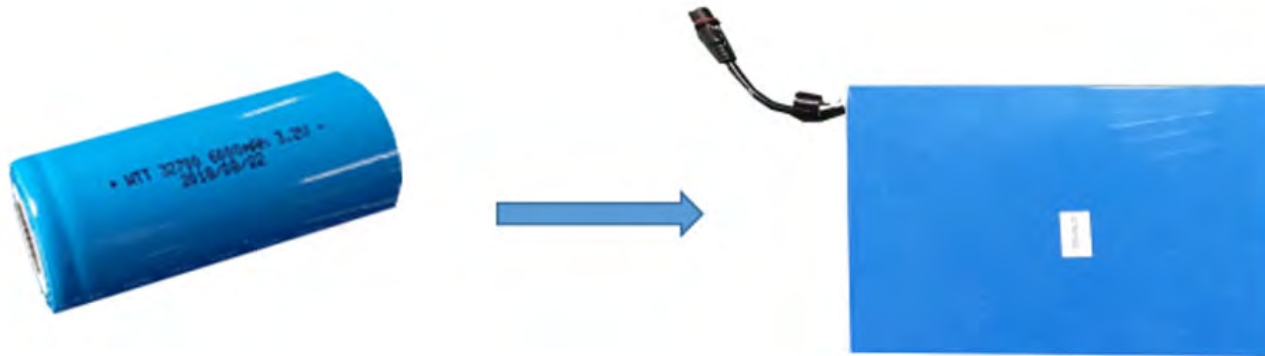
# Solar panel, battery and led lamp separated

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# New LifePO4 Battery

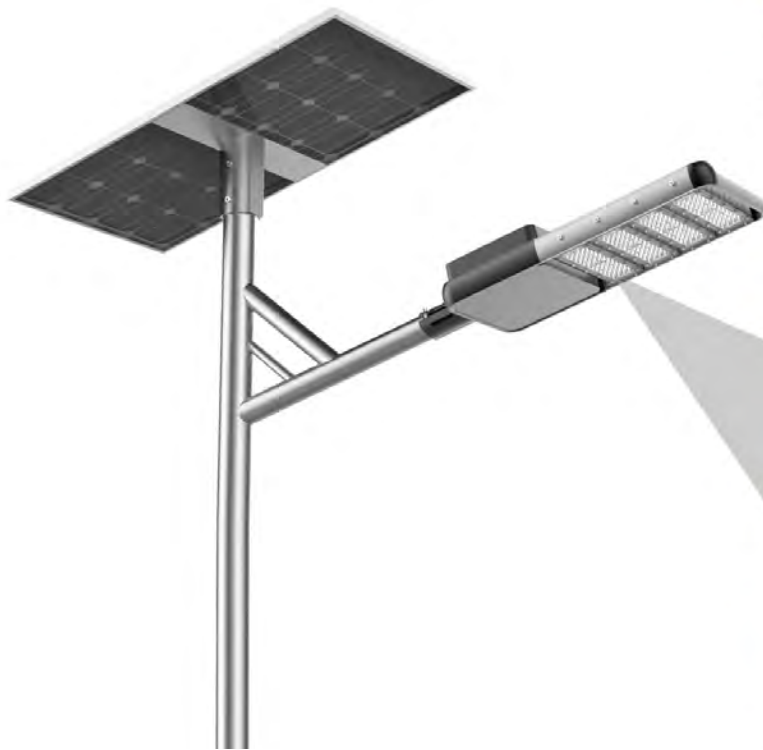
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- >2000 cycles
- 8-10years lifespan (20% loss)
- High-temperature resistance
- In-built explosion-proof valve, high safety performance

# High Lumens Led Lamp

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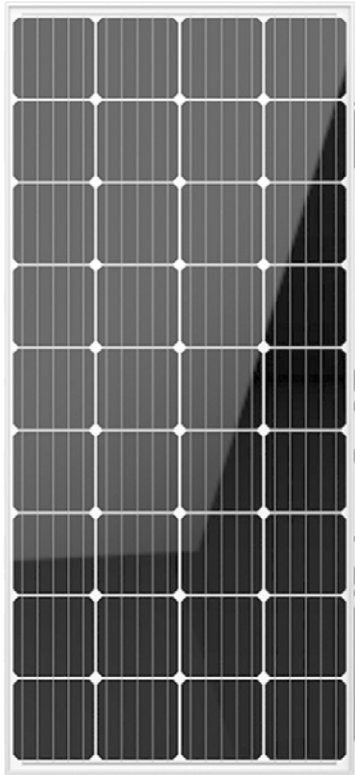
## **170LM/W** High Efficiency Bridgelux Led Chip

- 100,000 hours Lifetime
- Bat-wing+Polarized lens, patented lens specially designed, better illumination uniformity improve light effect.



# High Efficiency Mono Solar Panel

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- Monocrystalline Silicon Solar Panel
- >21% Photoelectric conversion efficiency
- 25 years lifespan

\*picture just for sample show here



# MPPT Controller

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- High efficiency conversion
- Intelligent design

\*When the power is equal to or less than 40%, the power is automatically allocated to ensure that the duration of the lamp is on.

\*When sundays, it can ensure the lighting power.

\*When cloudy / rainy days, it can ensure the lighting time.



**IP66 Waterproof**



## Support Remote Control

Brightness + / - can be adjusted by yourself.

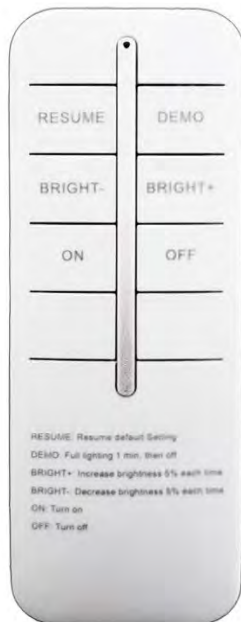
Lighting dusk to dawn

5-7 Cloudy / Rainy Days Back Up



# Remoter instruction

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- **RESUME**

Resume default setting

- **DEMO**

Full lighting 1 min, then off

- **BRIGHT-**

Decrease brightness 5% each time

- **BRIGHT +**

Increase brightness 5% each time

- **ON**

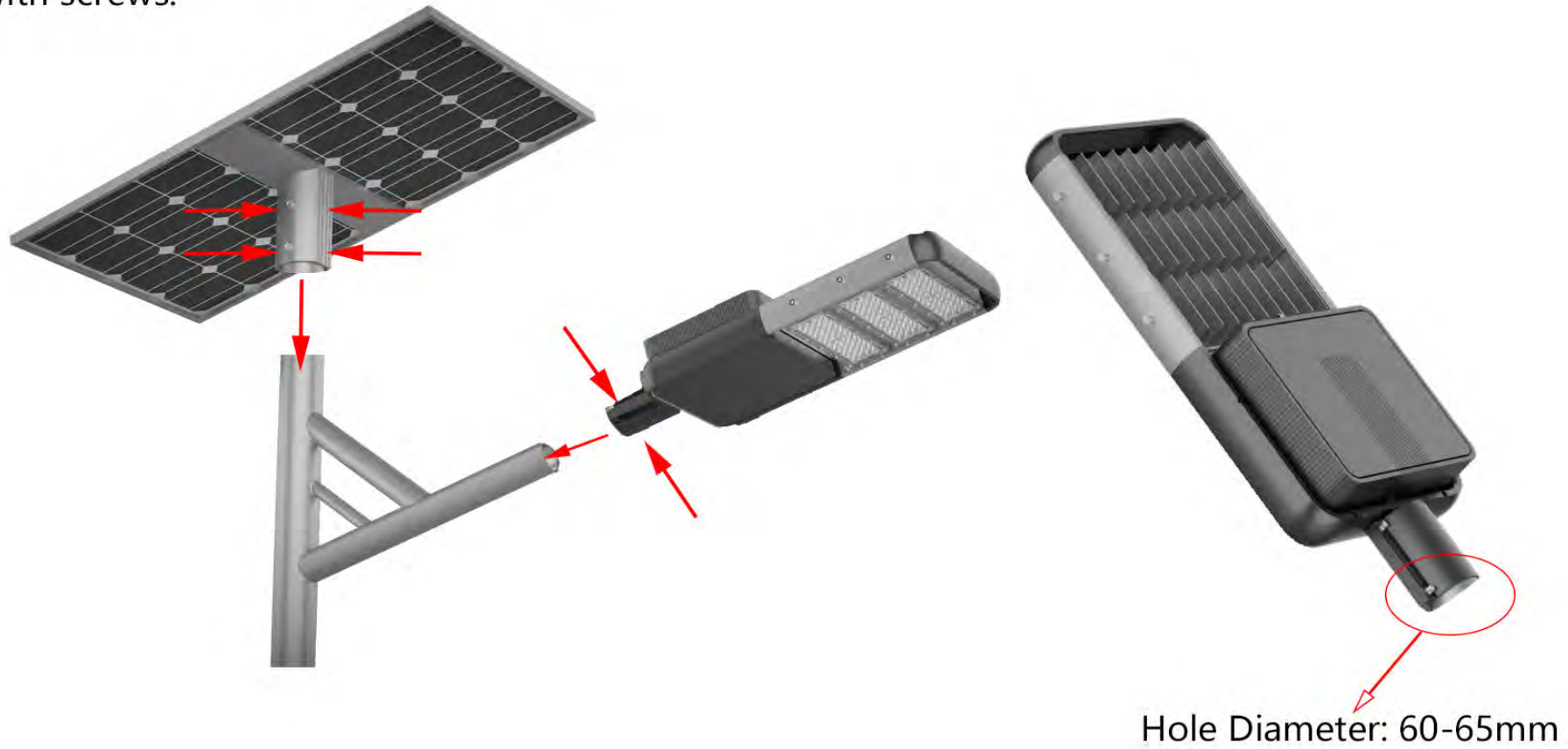
Turn on

- **OFF**

Turn off

## Easy Installation

Just fix the solar panel and lamp head with screws.



# Real Photos of MK-SSC-60

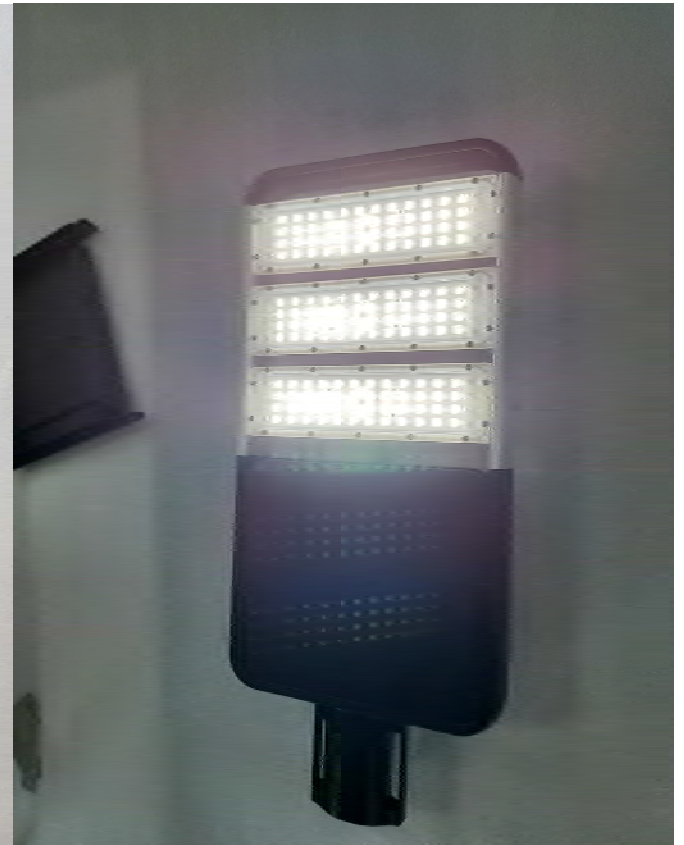
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Front



Back



Power on

# Details

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3pcs Led Panel



Lateral side



Lamp socket

## Specifications

| Led Source                   | 30W<br>(144pcs leds)                                   | 40W<br>(144pcs leds)                                   | 50W<br>(144pcs leds)                                   | 60W<br>(144pcs leds)                                    | 80W<br>(192pcs leds)                                    | 100W<br>(192pcs leds)                                   | 120W<br>(192pcs leds)                                   |
|------------------------------|--|--|--|---|---|---|---|
| <b>Mono Solar Panel</b>      | 18V 40W  | 18V 50W  | 18V 65W  | 18V 80W   | 18V 100W  | 18V 130W  | 18V 170W  |
| <b>LifePO4 Battery</b>       | 12.8V 18AH   | 12.8V 24AH   | 12.8V 30AH   | 12.8V 36AH  | 12.8V 42AH  | 12.8V 54AH  | 12.8V 60AH  |
| <b>Color Temperature</b>     | 2700K-6500K  |  |  |   |   |   |   |
| <b>Brightness</b>            | 5100LM   | 6800LM   | 8500LM   | 10200LM   | 13600LM   | 17000LM   | 20400LM   |
| <b>Working Time</b>          | 12-15hours, 5-7 cloudy/ rainy days                     |  |  |   |   |   |   |
| <b>Charging Time</b>         | 6-8hours   |  |  |   |   |   |   |
| <b>IP Rating</b>             | IP66   |  |  |   |   |   |   |
| <b>Mounting Height</b>       | 4-6m   | 5-7m   | 6-8m   | 7-9m  | 8-10m   | 9-12m   | 10-12m  |
| <b>Space between 2 lamps</b> | 10-20m   | 15-25m   | 20-30m   | 20-30m  | 25-35m  | 30-40m  | 30-40m  |
| <b>Warranty</b>              | 3 years / 5 years                                      |  |  |   |   |   |   |
| <b>Package Size</b>          | Lamp:<br>695*300*115mm<br>Solar panel:<br>610*580*80mm | Lamp:<br>695*300*115mm<br>Solar panel:<br>750*580*80mm | Lamp:<br>695*300*115mm<br>Solar panel:<br>820*580*80mm | Lamp:<br>695*300*115mm<br>Solar panel:<br>1090*580*80mm | Lamp:<br>785*300*115mm<br>Solar panel:<br>1290*580*80mm | Lamp:<br>785*300*115mm<br>Solar panel:<br>1130*580*80mm | Lamp:<br>785*300*115mm<br>Solar panel:<br>1490*580*80mm |
| <b>Gross Weight</b>          | Lamp: 4.6KG<br>Solar panel: 5.2KG                      | Lamp: 5.2KG<br>Solar panel: 6.3KG                      | Lamp: 6KG<br>Solar panel: 7.2KG                        | Lamp: 6.6KG<br>Solar panel: 9KG                         | Lamp: 7.5KG<br>Solar panel: 11KG                        | Lamp: 9KG<br>Solar panel: 13.2KG                        | Lamp: 9.6KG<br>Solar panel: 15.8KG                      |



# Single Arm

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# Double Arm

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**THANK YOU!**