



Catalog of SSE Series Integrated Solar Street Light

SSE Series 30-120W Solar Street Light

All in one design

Sensitive Microwave Sensor

LifePO4 Lithium Battery



120w/100w



80w



50w/60w



40w



30w

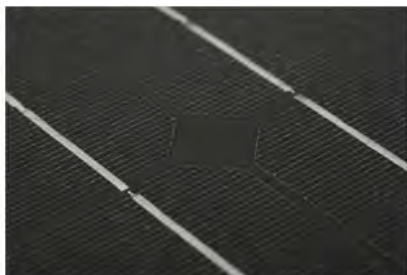
■ Product description

- SSE series use high efficiency mono solar panel, intelligent MPPT charge controller, deep cycle long life LifePO4 battery, high lumen led Bridgelux 3030 led chip all in one box, easy to install and transportation.



■ Product features

- Solar panel + led chip + charge controller + battery all in one box.
- High end die-cast aluminum forming with anodic oxidation treatment appearance, Impact and high temperature resistance, excellent corrosion resistance.
- With Intelligent power regulation, automatic judgment of weather, reasonable planning of discharge discipline.
- With intelligent remote control, UVA technology, long distance remote control (up to 12 meters), Wearable obstacle, have 4 modes lighting mode for choose, adjust brightness function and so on.
- With intelligent discharge management, Charge and discharge soft and hard dual protection and intelligent equalization technology, deep cycle more than 2000 times.
- For total lamp reach 170LM/W, More than twice the average brightness of ordinary LED sources, view angle is 140 degree, lighting more area.
- With IP65 waterproof IP grade, the lamp put into water 2 hours, still working very well..
- Very easy disassemble, installation and transportation.



Excellent quality Solar Panel
Mono solar panel in high working efficiency >21%



Ultra Bright LED Chip
210LM/W high efficiency, long service life

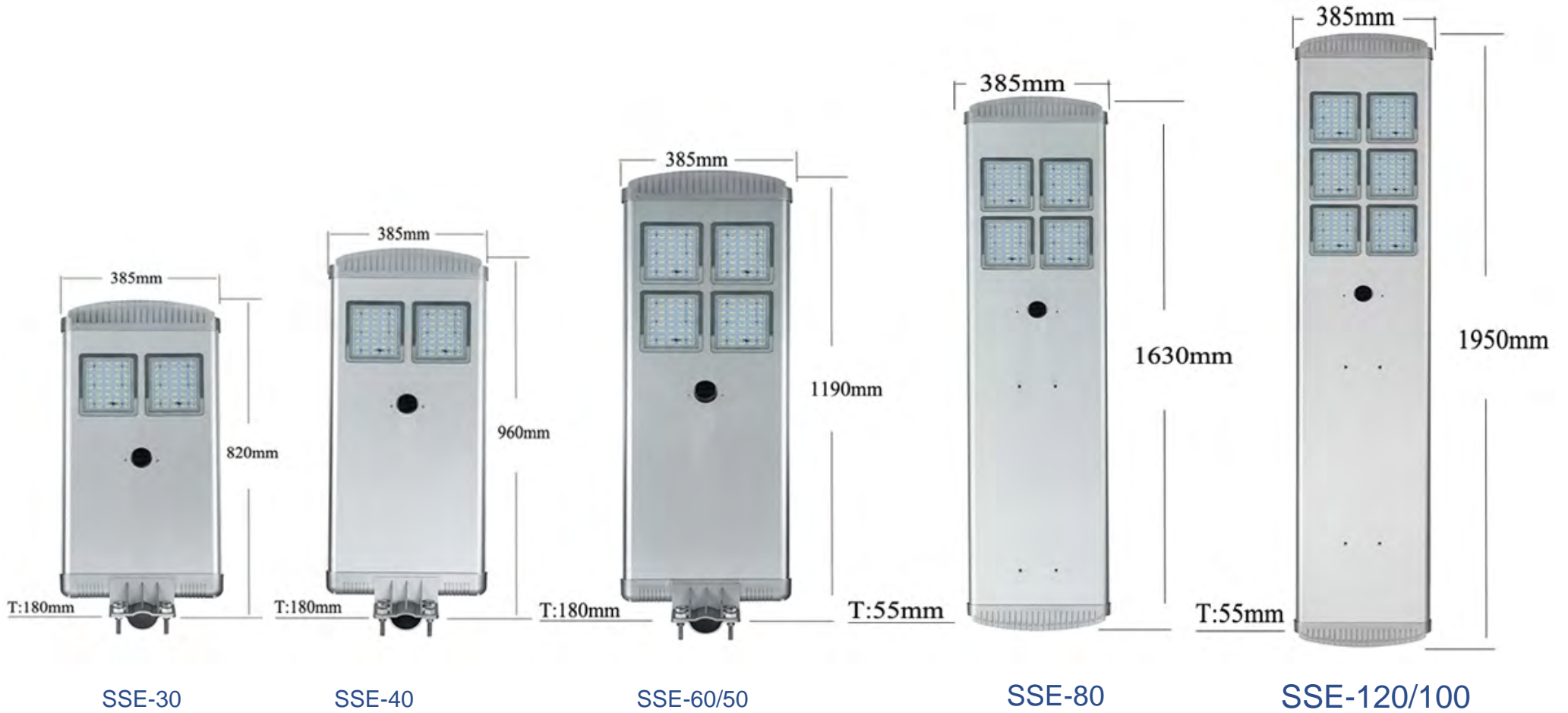


Selected Good Materials
3mm thickness die-casting aluminum alloy housing, strong bracket.



Deep Cycles LifePO4 Battery
More than 2000 times Cycle, full charged can support 7-10 cloudy/rainy days.

■ Product Size



■ SSE-30



SEE Design AIO Solar Street Light				
Model	MK-SSE-30	LED	12V 30W (Life time 100000hours)	Lighting mode
Lumen(LM)	5100LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 24AH (life time 5-8years)	Solar Panel	18V 50W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	5-6m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Certificates	CE, ROHS, IP65.ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	820*385*180mm	Net weight	11.5kg	

■ SSE-40



SSE Design AIO Solar Street Light				
Model	MK-SSE-40	LED	12V 40W (Life time 100000hours)	Lighting mode
Lumen(LM)	6800LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 30AH (life time 5-8years)	Solar Panel	18V 65W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	5-7m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Privateroad/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Certificates	CE, ROHS, IP65.ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	960*385*180mm	Net weight	12.5kg	

■ SSE-50



SSE Design AIO Solar Street Light				
Model	MK-SSE-50	LED	12V 50W (Life time 100000hours)	Lighting mode
Lumen(LM)	8500LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 36AH (life time 5-8years)	Solar Panel	18V 70W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	6-7m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Certificates	CE, ROHS, IP65.ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	1190*385*180mm	Net weight	15.3kg	

■ SSE-60



SSE Design AIO Solar Street Light				
Model	MK-SSE-60	LED	12V 60W (Life time 100000hours)	Lighting mode
Lumen(LM)	10200LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 42AH (life time 5-8years)	Solar Panel	18V 80W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	7-8m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Certificates	CE, ROHS, IP65.ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	1190*385*180mm	Net weight	15.6kg	

■ SSE-80



SSE Design AIO Solar Street Light				
Model	MK-SSE-80	LED	12V 80W (Life time 100000hours)	Lighting mode
Lumen(LM)	13600LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 57AH (life time 5-8years)	Solar Panel	18V 100W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	7-9m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	
Certificates	CE, ROHS, IP65,ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	1630*385*55mm / 585*125*320mm	Net weight	18.2kg / 2.5kg	

■ SSE-100



SSE Design AIO Solar Street Light				
Model	MK-SSE-100	LED	12V 100W (Life time 100000hours)	Lighting mode
Lumen(LM)	17000LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 63AH (life time 5-8years)	Solar Panel	18V 130W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	7-10m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	
Certificates	CE, ROHS, IP65,ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	1950*385*55mm / 585*125*320mm	Net weight	22.5kg / 2.5kg	

■ SSE-120



SSE Design AIO Solar Street Light				
Model	MK-SSE-120	LED	12V 120W (Life time 100000hours)	Lighting mode
Lumen(LM)	20400LM	Colour Temperature	2700K ~6500K	12hours lighting per day with motion sensor (Bright lighting 30secs when people move through the light) (Customize lighting modes is available)
LifePO4 Battery	12.8V 72AH (life time 5-8years)	Solar Panel	18V 140W Imported High Efficiency Monocrystalline Silicon (Life time 25 years)	
Mounting Height	7-12m	Cloudy/Rainy days	7-10 Cloudy/Rainy days	Application: Courtyard/Garden/Park/Street/Roadway/pathway/ParkingLot/Private road/Sidewalk/Publicsquare/plaza/Campus/Airfield/Farm & Ranch/Perimeter Security/ Wildlife area/Remote Area/Military Base
Material	High Class Aluminum (Anodic oxidation process)	Working Temperature	-25°C to 65°C	
Certificates	CE, ROHS, IP65.ISO9001,TUV	Warranty	3 Years / 5 Years	
Product size	1950*385*55mm / 585*125*320mm	Net weight	23.5kg / 2.5kg	

■ How is the solar light working?

- The solar panel converts sunlight into electricity and stored in lithium battery via controller, the LED light will work at night automatically by light sensor control, and provide lighting for the darkness area, the intelligence induction system can save the energy when the high-brightness lighting is not necessary.



Before Charging the lamp
take away the magnet iron sheet.



Mono Solar Panel

25 years lifespan

19%-21% photoelectric conversion efficiency

6-8 Hours Charging
By Strong Sunlight



MPPT controller

Motion sensor and MPPT controller 2 in 1 design
High charging and low discharging rate
Support **7-10 cloudy/rainy days**
Time control + Light control

When people or vehicle pass by, the sensor will detect the motion and light will lighten up to 100% efficiency. The brightness of the light will be reduced gradually to 30% after the people and vehicle pass away.



ULTRA BRIGHT LED CHIP

Ultra bright LED chip, Quality assurance, Long service time



Bridgelux 3030 Led Chip
210lm/w high efficient

Support Customized Install Way

If no remark, normally will send standard one "1" bracket



New install ways **arrival**

Color can be customized



■ Motion Sensor Indicator

- Designed with the indicators to show each parts working status, easy to know and check each parts working status by yourself.

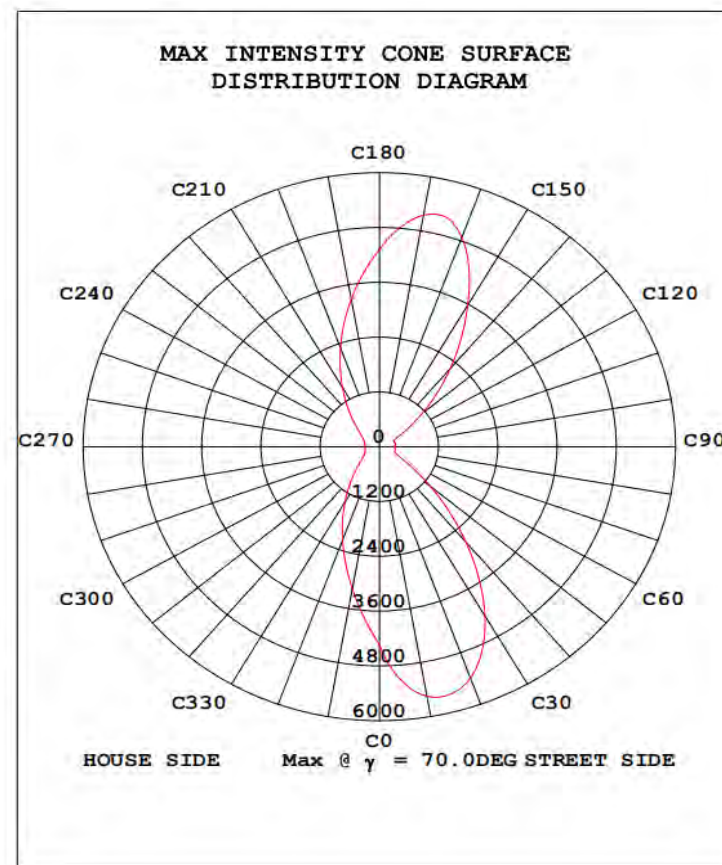
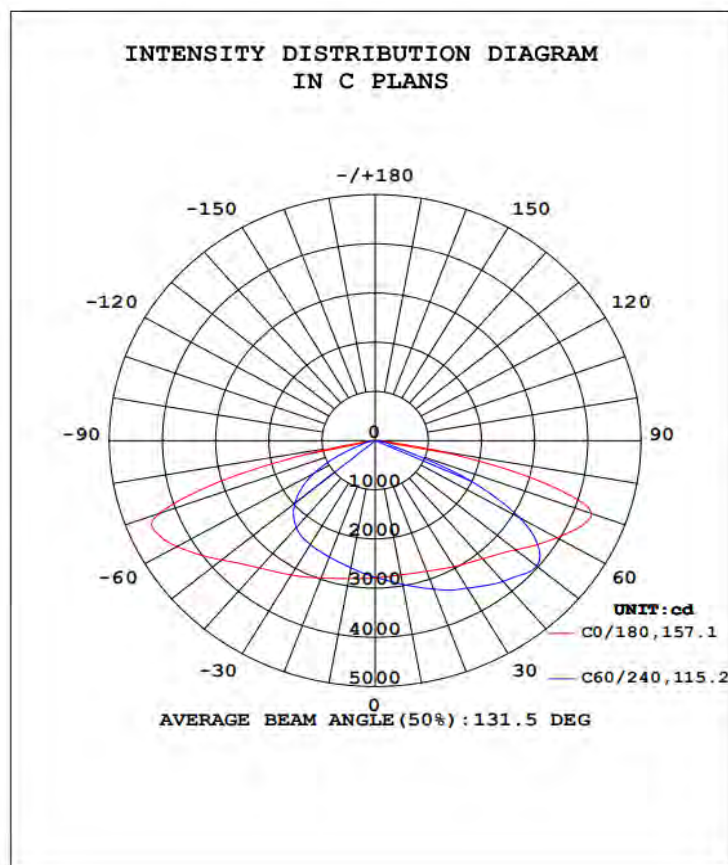


**Solar Light Controller Status Indicaaor
& Microwave Motion Sensor**

Indicator Light	Status	Indicator Light description
①Yellow(Motion sensor)	On	Movement Detected
	Off	Without Movement Detected
②Green(LED)	On	LED with output: Light on
	Off	LED without output: Light off
	Flicker	LED Short circuit
③Blue(Battery)	On	Battery power enough for work
	Off	Battery Withuot output
	Flicker	Battery undervoltage
④Red (Solar panel)	On	Battery charged to full power
	Off	Solar panel without output (at night)
	Flicker	Solar panel is charging the battery

■ Light distribution

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



■ Support controlled by remoter

- Use UVA technology, remote distance can reach 50M, four lighting modes for choose, can direct penetration of obstacles and according sunshine of each season to adjust.
- The most suitable mode can be selected according to seasonal sunshine conditions.



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, 12hrs full power.

T: At night, 4 hrs full power + 8hrs 25%.

M: At night, 12hrs motion sensor control.

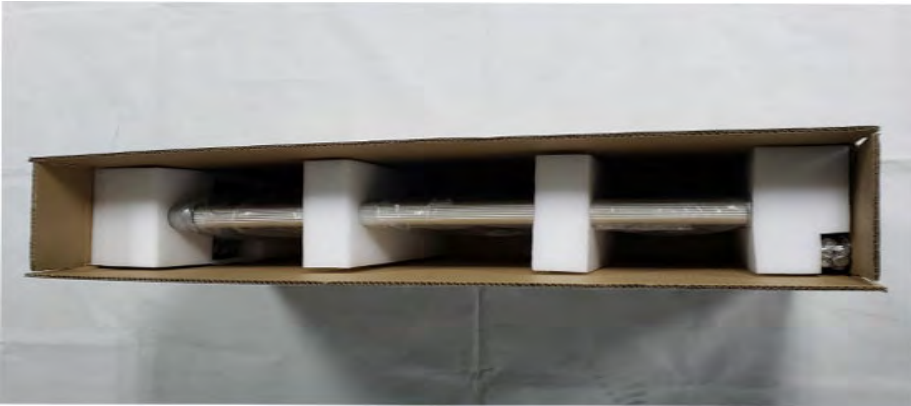
U: At night, 4hrs full power + 8hrs motion sensor control.

Note: After press "OFF", The light off and won't on anymore.

Please Press "M" to resume, it will working with "M" mode again.



■ Package

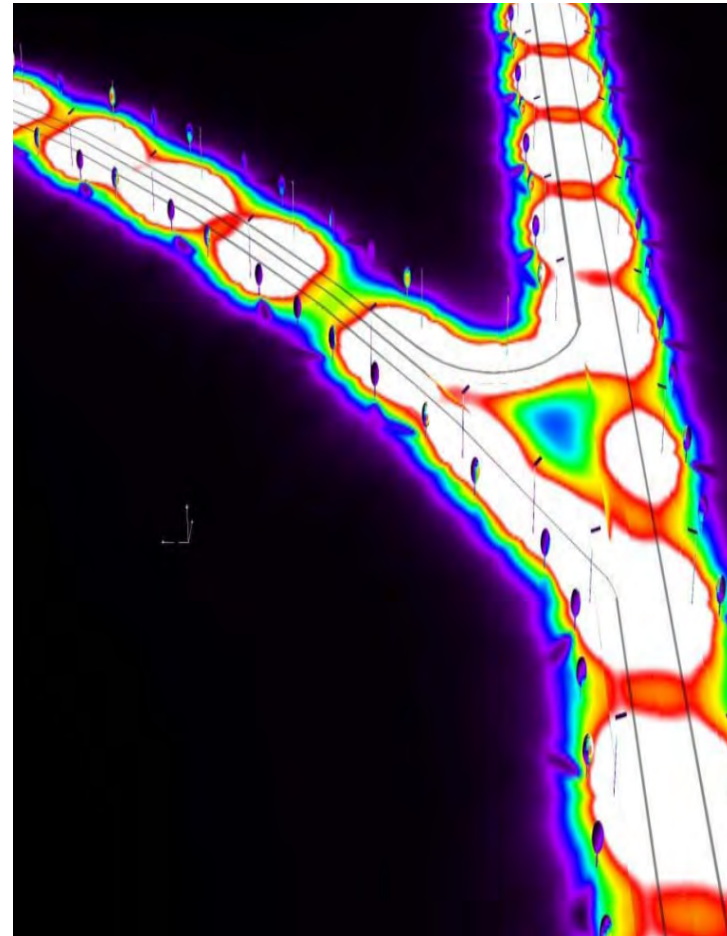


■ How to install the lamp?

- 1. When installing lights, please take it lightly and gently, and it is strictly forbidden to collide or knock to avoid damage.
- 2. There should be no tall buildings or trees in front of the solar panels to shield the sunlight, and choose to install without cover.
- 3. All the screws for installing the lamps need to be tightened and screwed tightly, and there should be no loosening.
- 4. Since the lighting time and power are set according to the factory specifications, if need special lighting mode should be notified before placing the order.
- 5. When repairing or replacing the led chip, LifePO4 battery, controller, type and power must be the same as our original, It is strictly forbidden to replace the light source with different power models from any other manufacture.
- 6. When replacing internal parts, wiring must be strictly in accordance with the corresponding wiring diagram. The positive and negative poles are clearly separated, and reverse connection is strictly prohibited.



■ Installation simulation



■ Project Cases













T H A N K Y O U

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