

*Multitasking Corporation  
The Ultimate Energy Saving Solutions!!!*



# About Us

Multitasking Corporation LTD is an end-to-end technology provider. We specialize in energy saving and eco-friendly products. Our high quality electronics components are manufactured by Multitasking Electronic LTD.

Our company is equipped with advanced aluminum die casting machines, pressure machines, digital controlled bender, welding machines, automatic injection flow lines and other first class facilities & skillful engineers. All our products are selling in European, Middle-east, America, Southeast Asia, Australia and other countries and regions. These years, we're focusing on LED indoor and outdoor lighting, and we have rich experience on these area, especially on LED lighting energy saving solutions with solar and sensors projects.

Manufacturing is at the heart of the group's core capabilities. Decades of experience spans across the generations of lighting. Ongoing investment in people, infrastructure and production capabilities keep our product ranges at the forefront of market requirements.

## ENGINEERING

Over 50 Global R&D, mechanical and electronics engineers work across power, control, lamps and luminaires. Managing the ever-changing dynamics of LED technology to maintain compatibility of the DNA elements and deliver world class lighting solutions.

## TESTING & COMPLIANCE

Ensuring our products meet the highest quality standards requires world class testing capabilities. Our megacentre has been officially approved as a NEMKO qualified laboratory operating alongside in-house photometric centres in Asia, UK, Canada and the USA.



## Services

SensLights experience is founded on partnerships that offer support through design consultancy, project and programme management as well as state-of-the art products that meet the requirements across a number of key verticals.

International infrastructure, innovative product ranges and specialist expertise enable Aurora to successfully deliver quality tailored solutions to any destination, on time, every time.

We ensure our customers receive the best possible service and support across product, customer service

and key account management. From informative product catalogues to mobile showrooms, we showcase Aurora products in a variety of ways to everyone, from contractors to end-users.

Through our integrated approach, SensLights effectively and efficiently delivers products to our core sectors: Commercial, Industrial, Retail, Hospitality and Residential.

Senslights has grown to become one of lighting's most recognisable and reliable brands, and as we head into the future, we aim to continue to provide the support required that enables our customers to achieve the desired results.

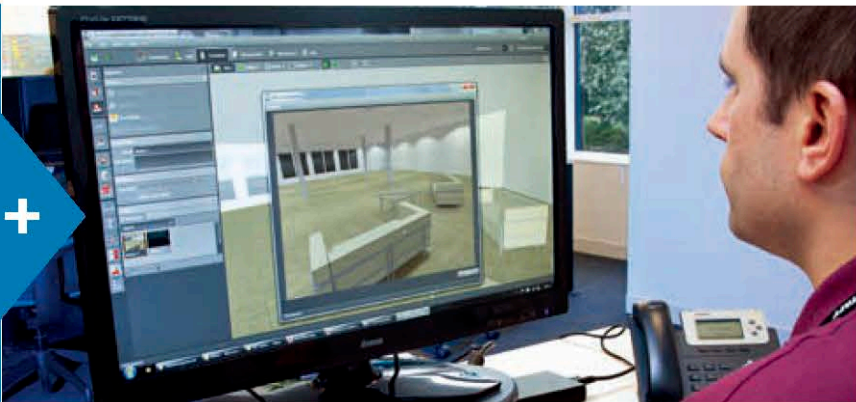
### CONSULTATION

Starting with in-depth understanding of client requirements and vision, our turnkey service meets their requirements throughout the entire process.



### LIGHTING DESIGN

Utilising the latest software, our experienced team, with a proven track record, successfully designs and produces lighting schemes for a variety of clients.



### PROJECT

### MANAGEMENT

Working with all parties involved in the delivery and installation of lighting. Aurora's team ensures that all programs are consistently delivered on time, to brief.



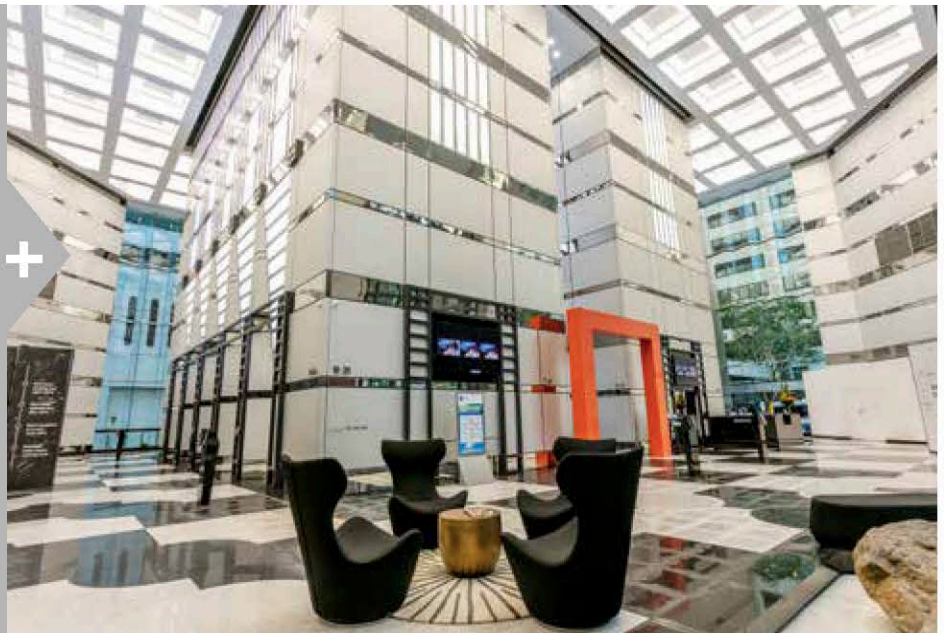
## SALES SUPPORT

Promoting a strong brand is a key benefit for Senslights partners. This is why SensLights invests into its brand and marketing tools every year to be best in class for contractors and end-users. Our trade partners enjoy excellent field sales and marketing support to leverage the return on investment in the SensLights portfolio as much as possible.



## CASE STUDY

In Multitasking Corporation with Mr. Seung-heon woo, SensLights has created a distinctive lighting scheme for Multitasking Industries Ltd. One, the largest industries in Gyeonggi-do, Korea. The original foyer lighting was derived from ancient, traditional Japanese lanterns and was designed by renowned Japanese architect. The new LED solution comprised of various sizes of custom built LED Panels that delivered energy savings and kept the original spirit of the installation alive.



## Multitasking Corporation Group Clients



BESPORE

# SensLights Breakthrough Technology Matters

No matter what outdoor lighting challenges you face, choosing a technology-rich solution makes all the difference and here's why. While solar-powered products have been around for some time, it took the research and development expertise of SensLights engineers to create rechargeable lighting designs that outshine and outlast every major competitor. That means you'll enjoy a safer, more reliable, and more cost-effective investment for your lighting budget.

## *We Make Hi-Tech Beautiful*

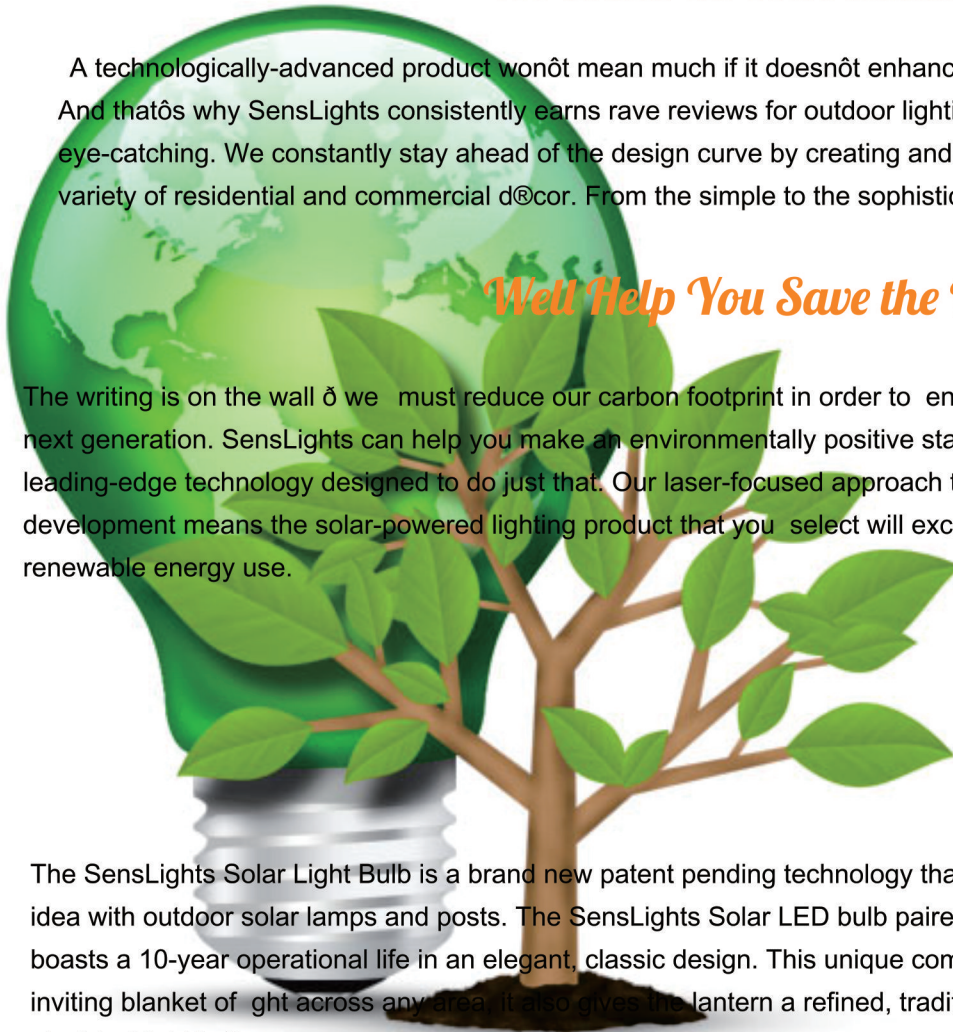
A technologically-advanced product won't mean much if it doesn't enhance the visual aesthetic of its environment. And that's why SensLights consistently earns rave reviews for outdoor lighting products that are elegant, tasteful and eye-catching. We constantly stay ahead of the design curve by creating and testing product casings that fit a wide variety of residential and commercial décor. From the simple to the sophisticated, we have your style needs covered.

## *We'll Help You Save the Planet*

The writing is on the wall – we must reduce our carbon footprint in order to ensure a habitable environment for the next generation. SensLights can help you make an environmentally positive statement in your home or office with leading-edge technology designed to do just that. Our laser-focused approach to research, evaluation and development means the solar-powered lighting product that you select will exceed recommendations for clean, renewable energy use.

## *Our Technologies*

The SensLights Solar Light Bulb is a brand new patent pending technology that joins the conventional light bulb idea with outdoor solar lamps and posts. The SensLights Solar LED bulb paired with our patented cone reflector boasts a 10-year operational life in an elegant, classic design. This unique combination not only blasts a warm and inviting blanket of light across any area, it also gives you the lantern a refined, traditional look that resembles a standard electrical light bulb.

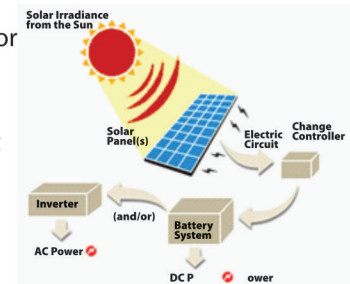


## SENSLIGHTS SOLAR POWER SYSTEMS

A sustainable green energy to protect economy and environment

Energy from the radiation of the sun, converted to electrical energy or heat energy is termed Solar Power.

SensLights has abundant experience and knowhow to harness the heat from the Sun and manufacture customized power packs using the state of the art technology, depending on the requirements of customers. SensLights has a very expansive and extensive R&D with committed personnel and resources to design and manufacture product for all projects both small and large.



Situations of load shedding leading to power cuts have become very common, all over the world. This situation has forced people world over to invent product and harness the power of the sun which is always available, called renewable energy. It has now become less expensive to own these power packs than in the past.

We at SensLights can support with such solar power packs, coupled with energy saving products like sensors, solar lighting, LED lighting etc., to eventually have power 24x7 and also reduce dependence in conventional energy which has become expensive and difficult to manufacture.

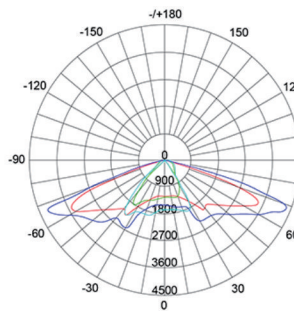
Readymade solar packs are available depending on your requirements. We also manufacture power packs depending on your specific requirements too. You may contact our representative offices for all your requirements and we will be pleased to be of support.

The Solar packs consist of Solar Panels, Controllers, Inverter and batteries. All these products are manufactured at our factories in Korea, China and Canada. Stringent quality control measures are undertaken to ensure quality and sustainability of our products, thereby ensuring value for money to all customers.

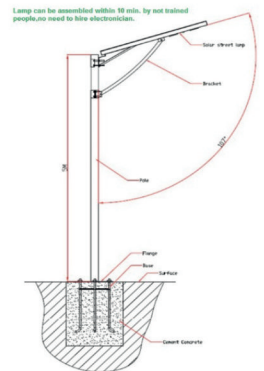
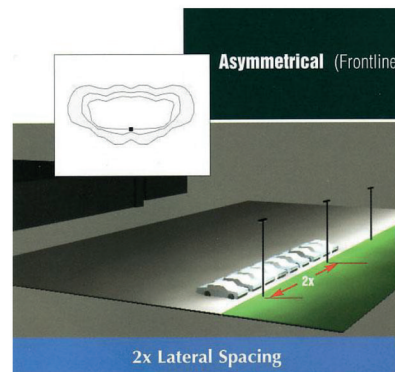
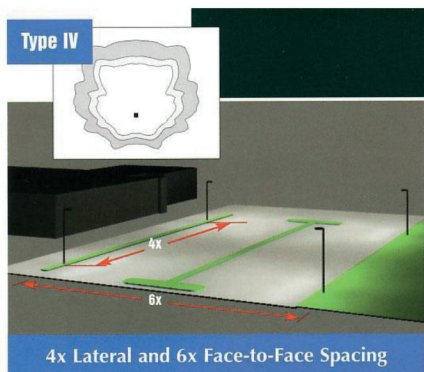
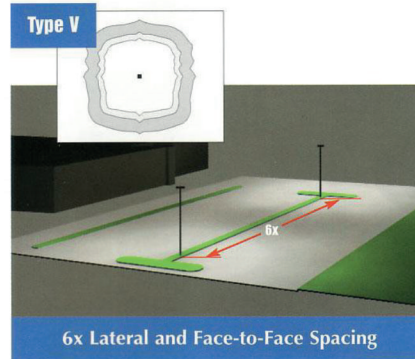
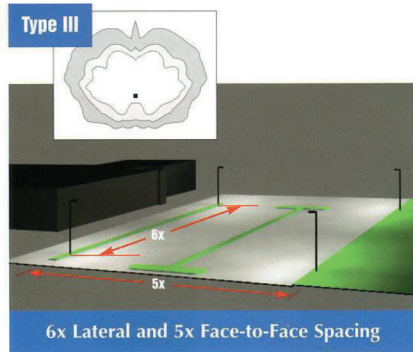
### Application of our solar products are in places such as;

- Malls
- Gardens
- Parks
- Public Area
- Residential Areas
- Airport
- Railway Stations
- Docks
- Schools
- Playgrounds
- Hospitals and a lot more areas.

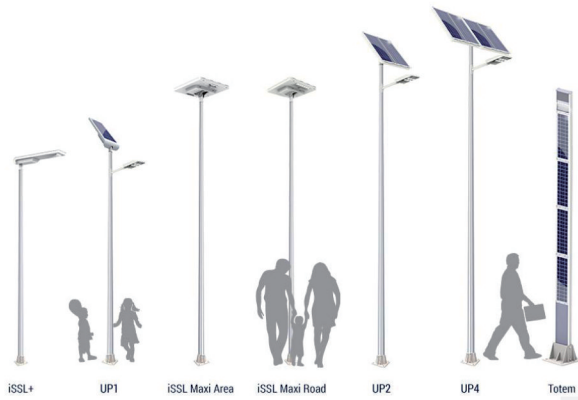
SensLights can support you with a complete range of products, right from Solar power packs to lighting up your interiors and exteriors, plan and implement installations to conserve energy and save costs thereby help making our planet a better place to live in for ourselves as well as our children.



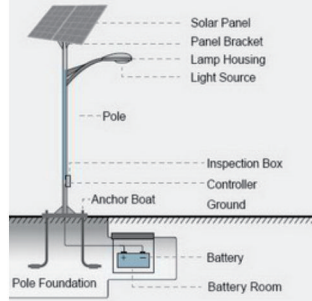
Height	Average/Max Illuminance (LUX)	Illuminance Area (Ø)
9.84ft	92.44/171.18lx 44.23/83.27lx	40.12ft 21.59ft
19.69ft	25.97/43.12lx 11.06/20.82lx	80.24ft 43.18ft
29.53ft	9.26/21.02lx 4.91/9.25lx	120.36ft 64.77ft
39.37ft	5.46/11.44lx 2.76/5.21lx	160.48ft 86.36ft
49.12ft	3.52/8.09lx 1.76/3.31lx	200.6ft 108ft



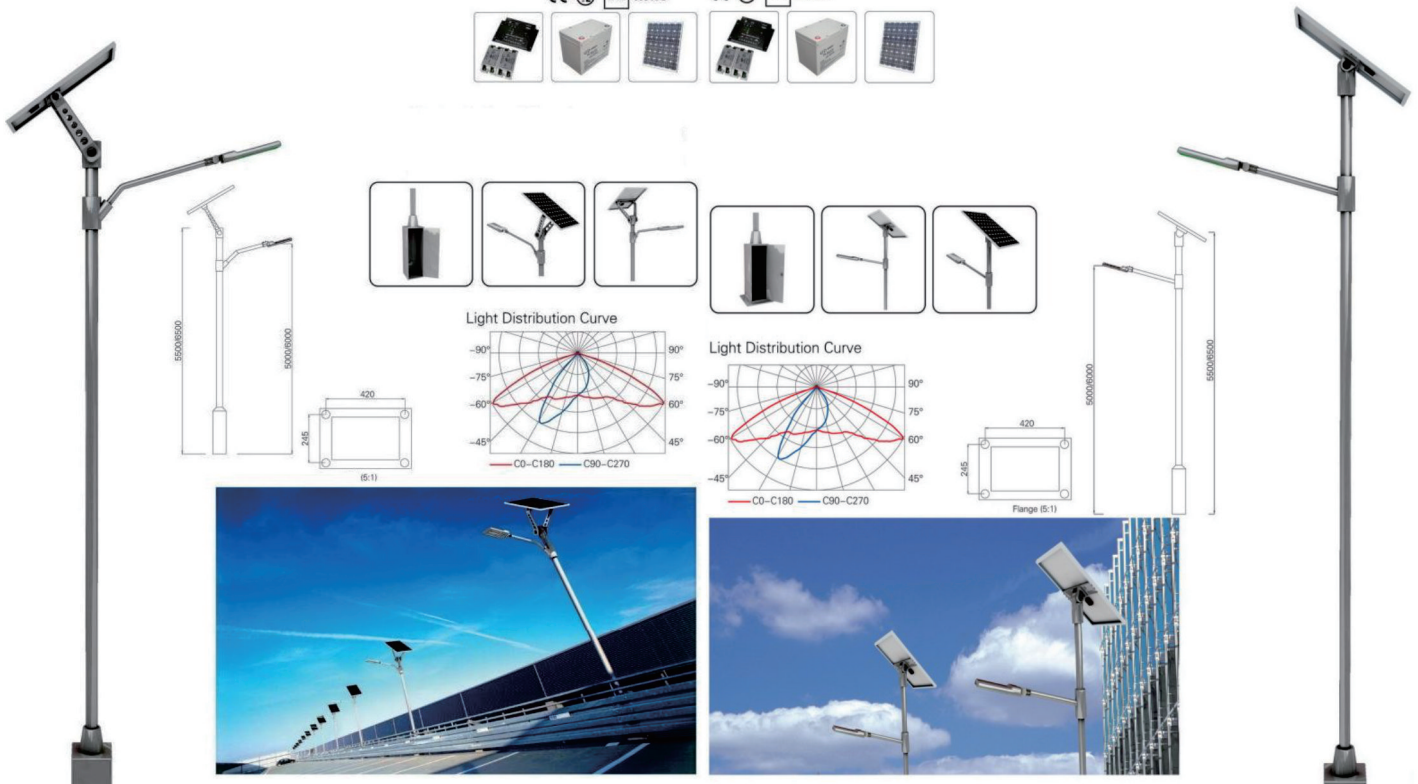
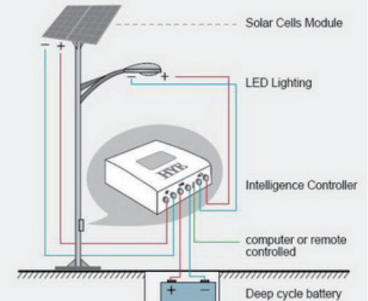
We provide energy solutions for government, as well as private sector applications, helping clients achieve 100% up-time for applications ranging from Hospitals, School warning signals, to explosion proof street lights



Solar Street Light Structure

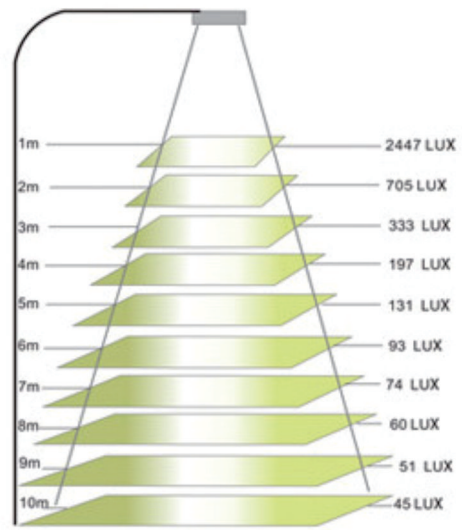
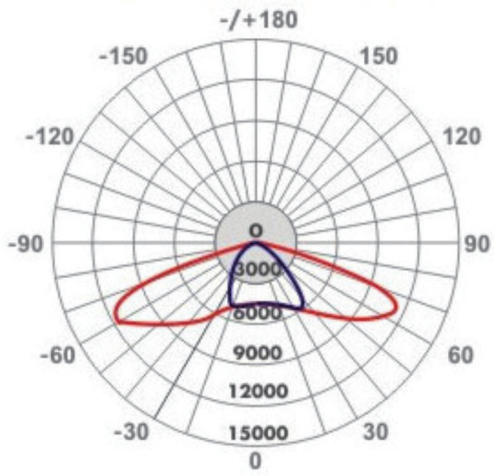


System Circuit Diagram

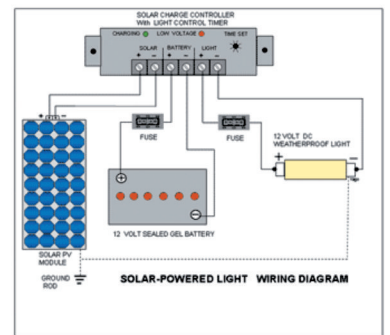


We provide energy solutions for government, as well as private sector applications, helping clients achieve 100% up-time for applications ranging from Hospitals, School warning signals, to explosion proof street lights





Three kinds of color to choose

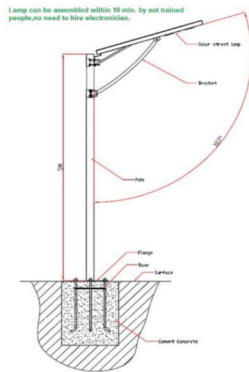


Multi power selection

B series includes 30/50w-210/350w,  
A total of 7 heat radiating Suite product portfolio, according to  
the use of premises need to select appropriate heat radiating suite.



Optimizes positioning of both the solar panel and the light head for maximum performance in any site.



**Fully self-contained solar light with more flexibility when mounting.**

- Easy installation. No wiring necessary.
- Separate panel and light head allows flexibility in placing fittings.

**Brighter light when you need it.**

- Built-in infra-red motion sensor regulates light output automatically.
- Changes from dim mode (30%) to bright mode (100%) upon motion detection.
- Light sensor restricts operation during daylight to save battery power.

**Built tough for tough conditions**

- Super bright 8W LED light and powerful
- 25W solar panel suit many commercial & industrial applications.

**Rustproof, dustproof and waterproof**

- Rated IP65 for all outdoor applications.

**Zero running cost**

- Fully solar powered.
- Lithium ion battery prolongs life

**Applications:**

- Car parks, paths and laneways
- Private roads, gates and entrances Safety and security:
- Playgrounds, courtyards
- Entrances, exits and muster areas
- Outside storage areas, perimeter lighting

**Remote areas:**

- where wiring is not economical or practical

Note: As with all solar products, performance is wholly dependent upon the hours of direct sunlight and the orientation of the solar panel.

Simple to install:

1. Secure anchor pole in ground or locate suitable alternative mounting.
2. Position pole away from shaded areas.
3. Bolt fittings onto pole.
4. Position pole falling on panel.
5. Face exposure to direct sunlight.
6. Orient light head towards area to be lit.



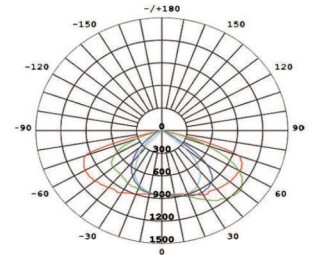
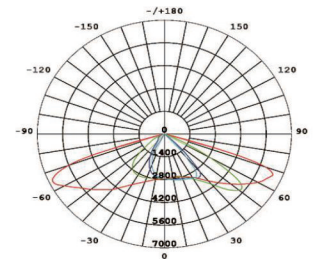


**Model: SLEH216**  
**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Tarnish Color , Oxidization  
 Solar Panel: 12W , High efficiency panel  
 LED: 10W (USA Bridgelux)  
 Power Storage battery: 18650 Li-ion 13.2AH 3.7V Average  
 Working temp: -20°C - +65°C IP65  
 Battery Lifetime : 1000cycle times  
 Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -25°C - +60°C  
 Products Size : 276MM\*390MM  
 Proposed pole height : 3-4M

**Model: SLEH217**  
**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Tarnish Color , Oxidization  
 Solar Panel: 18W (High efficiency polycrystalline silicon )  
 Led Light : 15W (USA Bridgelux ) ,  
 Material: Aluminum Alloy ( Oxidation )  
 Luminous: 1500-1800LM CCT : 6000-6500K  
 Power Storage battery: 18650 Li-ion 26.4AH 3.7V  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -25°C - +60°C  
 Products Size : 276MM\*690MM  
 IP65  
 Battery Lifetime : 1000cycle times  
 Proposed pole height : 3.5-5.5M



**Model: SLEH218**  
**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Tarnish Color , Oxidization  
 Solar Panel: 28W (High efficiency polycrystalline silicon )  
 No of LED: 25W (USA Bridgelux),  
 LED Type: (USA Bridgelux)  
 Luminous: 2500-3000LM CCT : 6000-6500K  
 Power Storage battery: 18650 Li-ion 39.6 AH 3.7V  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day, 12hrs 3-5days PIR  
 Temperature Range: -25 °C - +60°C, IP65  
 Products Size : 276MM\*940MM  
 Proposed pole height : 4-6.5M





**Model: SLEH219**

**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Iron Gray , Oxidization  
 Solar Panel: 60W (High efficiency polycrystalline silicon )  
 Led Light : 30W (USA Bridgelux )  
 LED Type: Bridgelux COB  
 Luminous: 3300-3600 lm, 6000-6500K  
 Power Storage battery: 18650 Li-ion battery 325WH ,  
 14.8V Average Operation Time: 10-12hrs  
 Battery Charging time:6-7hours/day  
 Temperature Range: -25 °C - +65°C IP65  
 Products Size : 880\*438mm  
 Proposed pole height :4.5-8.5M

**Model: SLEH220**

**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color:Iron Gray , Oxidization  
 Solar Panel: 90W (High efficiency monocrystalline silicon )  
 No of LED: 60W (USA Bridgelux )  
 LED Type: Bridgelux COB  
 Luminous: 6000-7000LM CCT : 6000-6500K  
 Power Storage battery: 18650 Li-ion battery 520WH ,  
 14.8V Average Operation Time: 10-12hrs ,3-5days PIR  
 Battery Charging time:6-7hours/day  
 Temperature Range: -25 °C - +65°C IP65  
 Products Size : 1220\*438mm  
 Proposed pole height : 6-9.5M



**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Iron Gray , Oxidization  
 Solar Panel: 110W (High efficiency monocrystalline silicon )  
 No of LED: 2pcs  
 LED Type: Bridgelux COB  
 Luminous: 5000-6000 LM  
 Power Storage battery: Lithium battery 3.7V 130AH  
 Average Operation Time: 10-12hrs,3-5days PIR  
 Battery Charging time:6-7hours/day  
 Temperature Range: -25 °C - +60°C, IP65  
 Products Size : 1410\*438mm  
 Proposed pole height :8-10M





**Model: SLEH220**

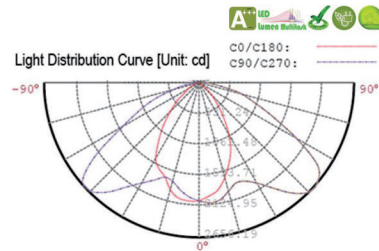
**Integrated Solar Street light**

Housing Material: Aluminum  
 Products color: Iron Gray , Oxidization  
 Solar Panel: 123W (High efficiency monocrystalline silicon )  
 Led Light : 100W (USA Bridgelux ), 10000- 12000LM  
 LED Type: Bridgelux COB  
 CCT : 6000-6500K  
 Power Storage battery: Lithium battery 3.7V 168AH  
 Average Operation Time: 10-12hrs, 3-5days PIR  
 Battery Charging time:6-7hours/day  
 Temperature Range: -20°C -+65°C IP65  
 Products Size : 1520\*438mm  
 Proposed pole height :8-11.5M

**Illuminance at a Distance**

	Center Beam LUX	Beam Width	
		V	H
2m	199.78 LUX	7.3m	1.2m
4m	49.94 LUX	14.5m	2.3m
6m	22.20 LUX	21.8m	3.5m
8m	12.49 LUX	29.0m	4.6m
10m	7.99 LUX	36.3m	5.8m
12m	5.55 LUX	43.5m	7.0m

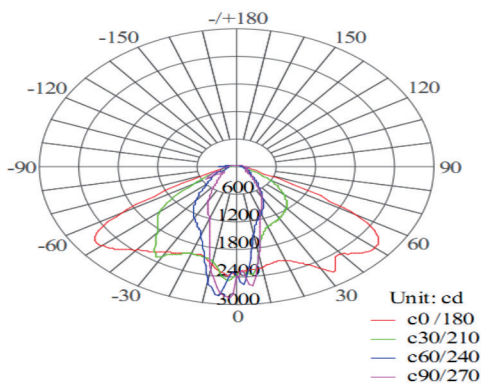
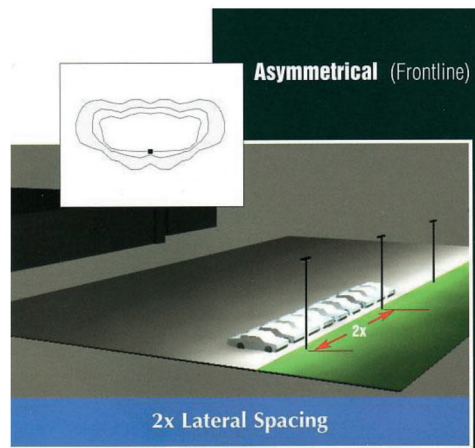
Vert Spread:122.6      Horiz Spread:32.3





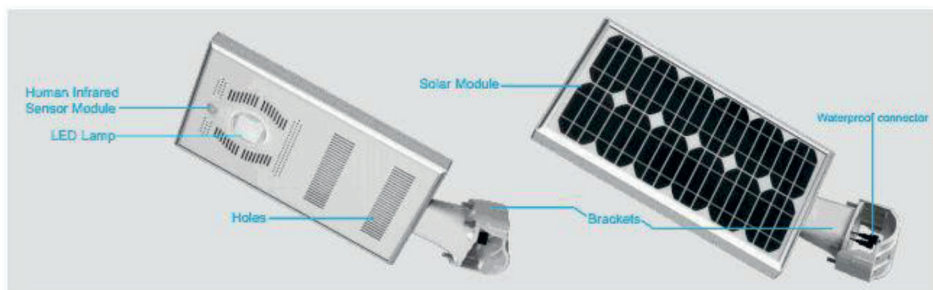
**Model: SLEH212**  
**Integrated Solar Street light (12W)**

Housing Material: Aluminum + PC  
Solar Panel: 18W ,18V Poly  
LED Type:SMD  
Luminous:1200-1320lm  
color temperature: 3000K ~ 6000k  
Power Storage battery: lithium battery  
Average Operation Time: 10-12hrs  
Battery Charging time:6-8hours/day  
Temperature Range: -40°C - +60°C  
5 hours 100% bright after 5 hours will dimmer  
Proposed pole height :3-4m



**Model: SLEH215**  
**Integrated Solar Street light (15W)**

Housing Material: Aluminum + PC  
Solar Panel: 25W ,18V Poly  
LED Type:SMD  
Luminous: 1500-1650lm  
color temperature: 3000K ~ 6000k  
Power Storage battery: lithium battery  
Average Operation Time: 10-12hrs  
Battery Charging time:6-8hours/day  
Temperature Range: -40°C - +60°C  
5 hours 100% bright after 5 hours will dimmer  
Proposed pole height :4-5m





H[m]	Diameter[m]	Illuminance[lx]
1.0		2859.02
		2976.15
2.0		714.76
		744.04
3.0		317.67
		330.68
4.0		178.69
		186.01
5.0		114.36
		119.05

Model: SLEH225

### Integrated Solar Street light (25W)

Housing Material: Aluminum + PC  
 Solar Panel: 25W ,12V Poly  
 LED Type:SMD  
 Luminous: 3000-3250lm  
 color temperature: 6500K ~ 7000k  
 Power Storage battery: lithium battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time:6-8hours/day  
 Temperature Range: -40°C - +60°C  
 Space between light range (m) 18-20m  
 Proposed pole height :5-6m



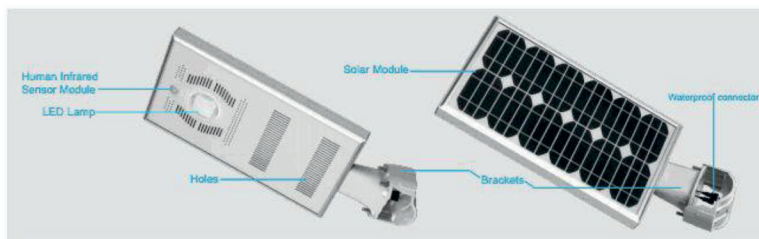
Distance (m)	lux	L(m)	W(m)
0.0	10340	0	0
1.0	1455	4	2.2
2.0	555	8	4.4
3.0	363	12	6.6
4.0	127	16	8.8
5.0	40	20	11
6.0	28	24	13.2
7.0	20	32	15.4
8.0	16	36	17.6
9.0	12	40	19.8
10.0	10	44	22

lux= central illumination

Model: SLEH250

### Integrated Solar Street light (50W)

Housing Material: Aluminum + PC  
 Solar Panel: 50W ,12V  
 LED Type: SMD  
 Luminous: 3200-5250lm  
 color temperature: 6500K ~ 7000k  
 Power Storage battery: lithium battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time:6-8hours/day  
 Temperature Range: -40°C - +60°C  
 Space between light range (m) 25-30m  
 Proposed pole height :7-9m



Battery Type: LifePO4 battery 12V30AH (Inside the fixture)

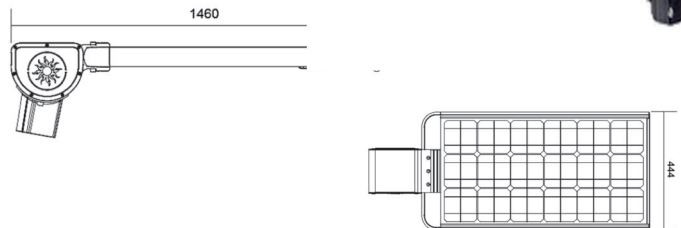
### SLEH-SR2015A-20W

Integrated Solar Street light (25W)  
Housing Material: Aluminum + PC  
Solar Panel: 18V45W Poly  
LED Type: 20W SMD  
Luminous: 130lm/W  
Color temperature: 6500K ~ 7000k  
Battery Storage: Lithium Iron battery 12V20AH  
Average Operation Time: 8-10hrs  
Work time: 10 hours per day, 100% full light when person is close, 30% light when none close  
Battery Charging time: 6-8 hours/day  
Temperature Range: -40°C - +60°C  
Proposed pole height: 3m - 5m  
IP rate: IP67



### SLEH-SR2015A-50W

Integrated Solar Street light (50W)  
Housing Material: Aluminum + PC  
Solar Panel: 18V70W Poly  
LED Type: 50W SMD  
Luminous: 130lm/W  
Color temperature: 6500K ~ 7000k  
Battery Storage: Lithium Iron battery 12V40AH  
Average Operation Time: 8-10hrs  
Work time: 10 hours per day, 100% full light when person is close, 30% light when none close  
Battery Charging time: 6-8 hours/day  
Temperature Range: -40°C - +60°C  
Proposed pole height: 5m - 6m  
IP rate: IP67



### SLEH-SR2015A-60W

Integrated Solar Street light (60W)  
Housing Material: Aluminum + PC  
Solar Panel: 18V70W Poly  
LED Type: 60W SMD  
Luminous: 130lm/W  
Color temperature: 6500K ~ 7000k  
Battery Storage: Lithium Iron battery 12V40AH  
Average Operation Time: 8-10hrs  
Work time: 10 hours per day, 100% full light when person is close, 30% light when none close  
Battery Charging time: 6-8 hours/day  
Temperature Range: -40°C - +60°C  
Proposed pole height: 7m - 10m  
IP rate: IP67





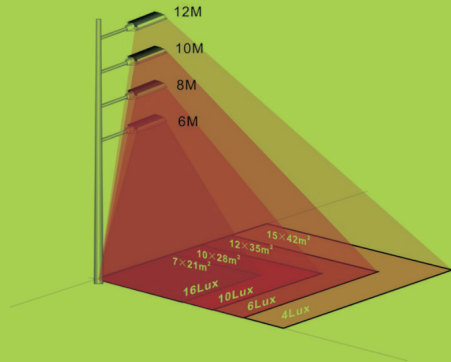
## Solar Lighting Basics

What is a solar light?

- A Solar light is a lighting system which works with the power of the Sun
- A typical solar light is made up of 4 components: Solar Panel, Batteries, Light Fixture and Controller

Benefits of Solar Lighting

- No trenching for cabling / wiring
- Easy to install in landscaped areas
- No recurring power costs
- No power outages or failure
- Save on high voltage cables
- Easy to install and does not require a certified electrician

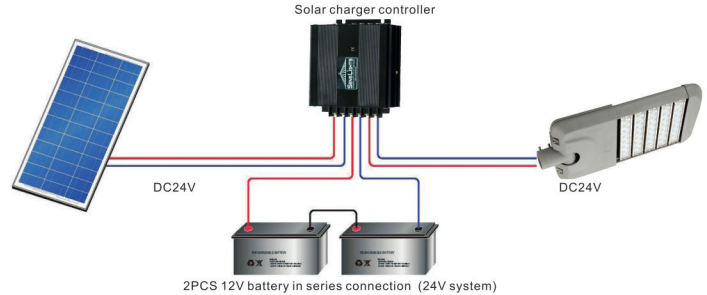


FAQ to select a solar light

- Is the light from a reputed manufacturer?
- Is the light custom designed for local weather conditions, having sufficient solar panel & battery?
- Are the LED components from a quality manufacturer such as SensLights or CREE?

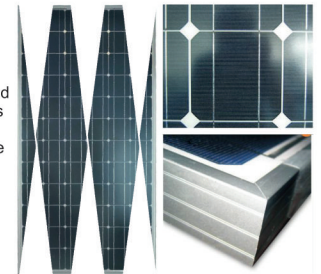
## Applications

- Street lights
- Roads
- Pathway
- Ramp
- Sidewalks
- Private Roads
- Farms & Ranches
- Wildlife Areas
- Parks
- Gate
- Yard
- Fences
- Campus
- Docks
- Remote Area
- Military Bases



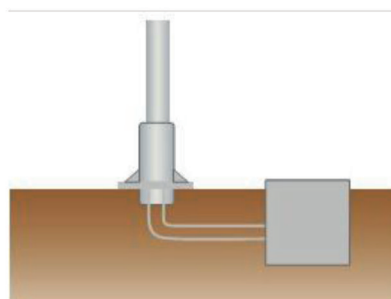
## Solar Modules ▶

SensLight high efficiency solar modules are constructed from 36 or 72 crystalline cells that are connected in series to raise system voltage to 12V or 24V. The cells are individually tested and matched for optimum performance before being built into the protective module structure. High transmission tempered glass protects the cells from the front and a high strength polymer sheet at the rear. A reinforced aluminium frame completes the laminate structure which is fully sealed against moisture and protected from environmental and mechanical damage.

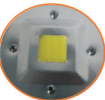


## Batteries ▶

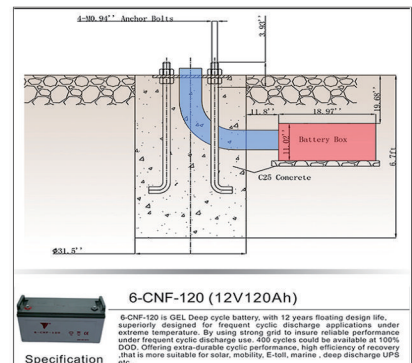
Solar systems are the most demanding applications for the battery and the correct choice of battery is fundamental to the integrity of the entire system. Batteries are subjected to high and low temperatures, unpredictable charging, daily cycling as well as potentially partial states of discharges. Therefore it is of utmost importance to correctly choose the right battery for the right application in order to maximise battery life. SensLight provides expert advice on choice of battery to suit your particular application.

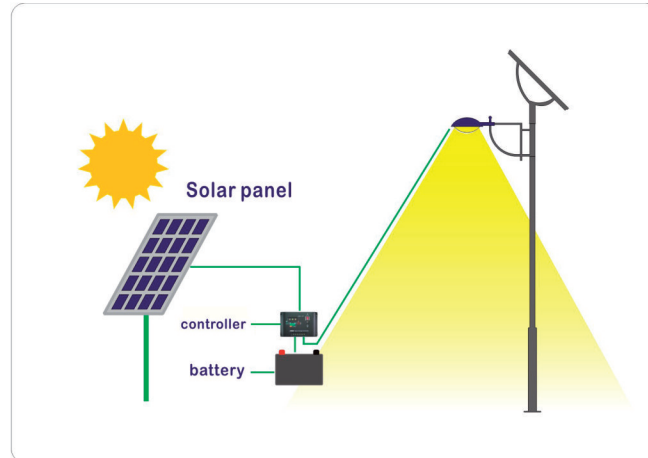
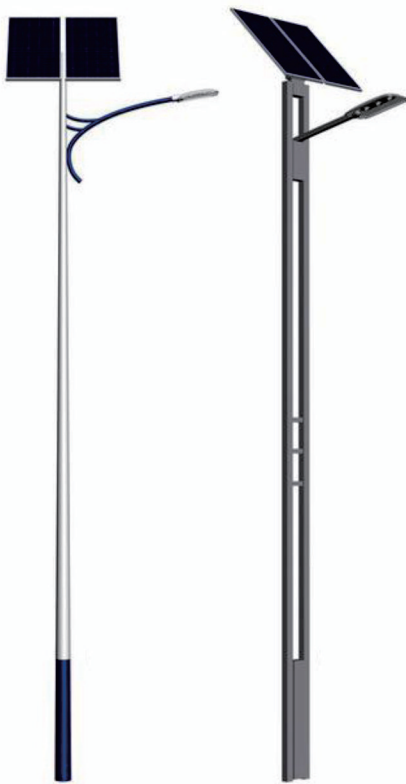


## High power LED lighting ▶



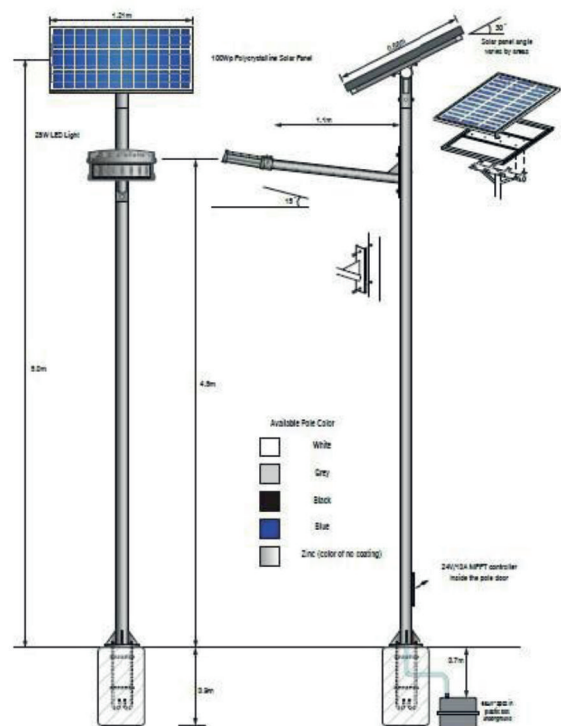
SensLight designs and manufactures LED lights with high efficiency CREE or Bridgelux 140lm/W LED chip. Eutectic led packaging technology is applied for low heat resistance, low light degradation, high efficiency and long life. Precise optic lens in high intensity PC material provides high uniformity and optimal luminaire spacing, the optical system optimizes the light distribution, eliminate the waste of light, increase the reasonable and effective using of light.





## SLSR 30W

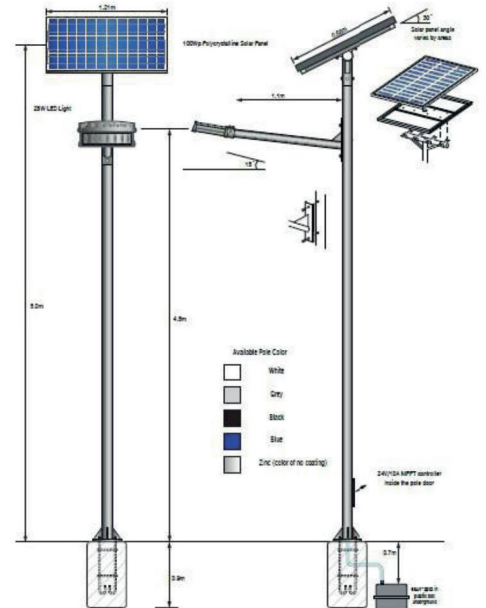
- Power 30W
- Battery : 1pcs \* 12V100Ah
- Solar Panel : 100W \* 1pcs
- Working hours : 8-12h per day
- Pole Height : 3-6ms
- Working voltage : DC12V
- Luminous flux : 2700lm~3000lm
- LED type : High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 60 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr



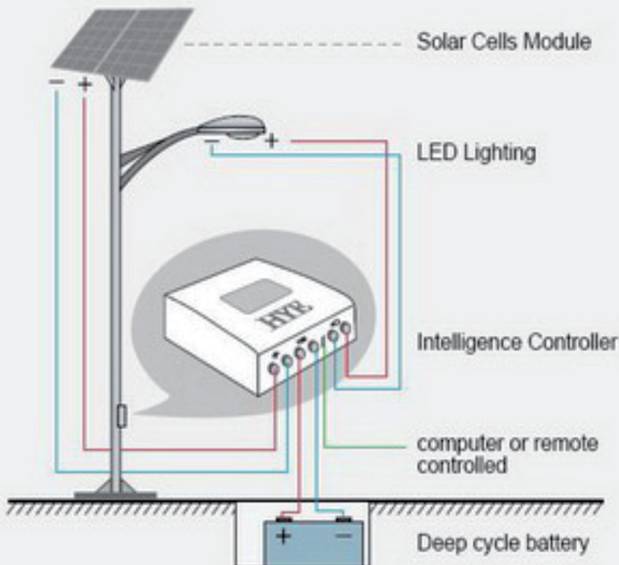


**SLSR 50W ~ Power:50W**

- Battery : 2pcs \* 12V100Ah
- Solar Panel : 80W \* 2pcs
- Working hours : 8-12h per day
- Pole Height : 4-6ms
- Working voltage : DC24V
- Luminous flux : 4500lm~5000lm
- Intelligent solar charge controller
- LED type :High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 60 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr

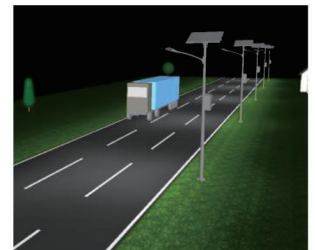


**System Circuit Diagram**



**SLSR 80W**

- Power:80W
- Battery: 2pcs \* 12V120Ah
- Solar Panel : 130W \* 2pcs
- Working hours : 8-12h per day
- Pole Height : 6-8ms
- Working voltage : DC124V
- Luminous flux : 7200lm~8000lm
- Intelligent solar charge controller
- LED type :High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 60 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr



**SLSR100W**

- Power:100W
- Battery: 2pcs \* 12V160Ah
- Solar Panel : 160W \* 2pcs
- Working hours : 8-12h per day
- Pole Height : 8-12ms
- Working voltage : DC24V
- Luminous flux : 8000lm~10000lm
- Intelligent solar charge controller
- LED type :High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 60 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr



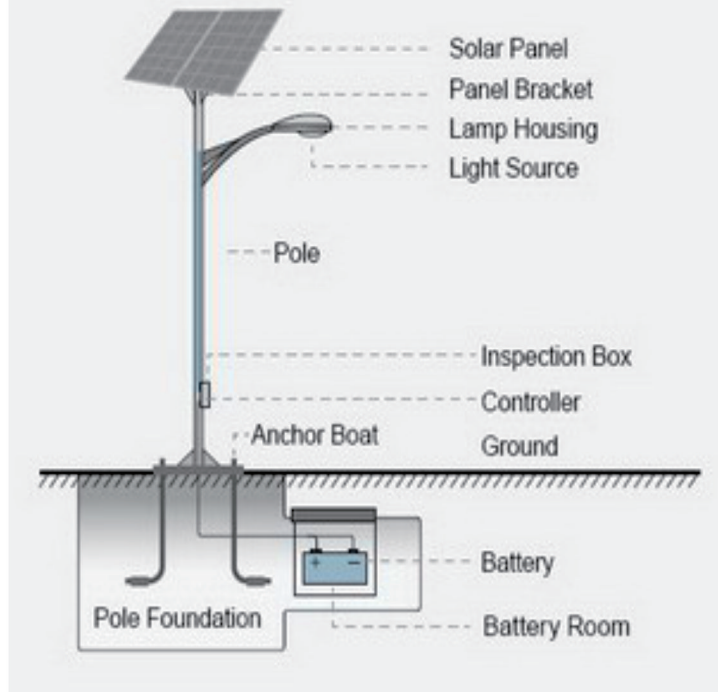
**SLSR 150W ~ Power: 150W**

- Battery : 2pcs \* 12V180Ah,GEL type
- Solar Panel : 150W \* 4pcs
- Working hours : 8-12h per day
- Pole Height : 8-12ms
- Working voltage : DC24V
- Luminous flux : 13000-15000lm
- Intelligent solar charge controller
- LED type :High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 80 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr

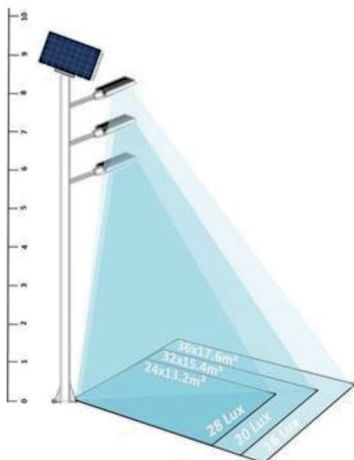
**SLSR 200W ~ Power:200W**

- Solar Panel : 200W \* 4pcs
- Battery :2pcs\*12V 250Ah,gel type
- Working hours : 8-12h per day
- Pole Height : 8-12ms
- Working voltage : DC24V
- Luminous flux : 16000-18000lm
- Intelligent solar charge controller
- LED type :High-power bimodal silica lens
- Beam angle : 90°/150°
- Color rendering index : 70~80/80~90/>90
- Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k
- Working temperature : -25° + 60 °
- Adapt to humidity : 90%
- IP Protection : IP65
- Average life : >50000hr

Solar Street Light Structure



Light Distribution and Array



Distance (m)	lux	L(m)	W(m)
0.0	10340	0	0
1.0	1455	4	2.2
2.0	555	8	4.4
3.0	363	12	6.6
4.0	127	16	8.8
5.0	40	20	11
6.0	28	24	13.2
7.0	20	32	15.4
8.0	16	36	17.6
9.0	12	40	19.8
10.0	10	44	22

lux= central illumination



SLEDZ 1712



SLEDZ 16918

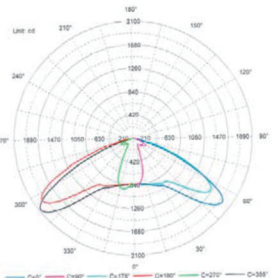
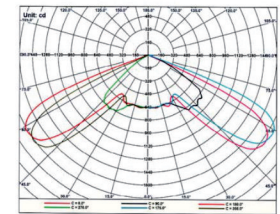
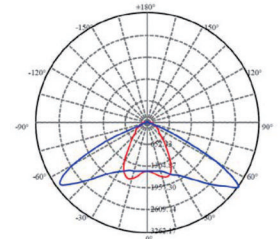


SLEDZ 16824



LEDZ16730

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bgqrgp` srgmlasptcq



### SLSR200W Power:200W

Battery: 2pcs \* 12V100Ah

Solar Panel : 160W \* 2pcs

Working hours : 8-12h per day

Pole Height Working voltage : DC24V

Luminous flux : 9000lm~10000lm

LED type : High-power bimodal silica lens

Beam angle : 90°/150°

Intelligent solar charge controller

LED type :High-power bimodal silica lens

Beam angle : 90°/150°

Color rendering index : 70~80/80~90/>90

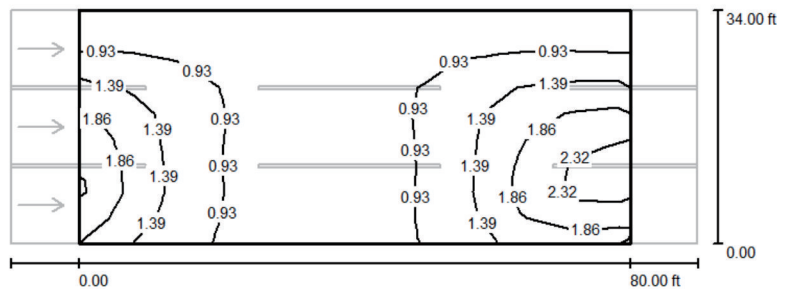
Color temperature : 3500k/4000l/4500k/5000k/5700k/6500k

Working temperature : -25° + 60°

Adapt to humidity : 90%

IP Protection : IP65

Average life : >50000hr



# Solar Street light



## SLS-PS20W

Housing: Aluminum + Tempered glass Powder coating  
 Painting  
 Rated Power : 20W  
 Beam angle : 140 \* 70 degree  
 Luminous flux: 2900lm  
 Color Temp : 2700K-6000K  
 CRI : 85  
 LED Qty: 48 Pcs SMD  
 IP Rating : IP67  
 Battery lifetime: 286 WH 12V  
 Intelligent solar charge controller  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV: 50W  
 Cell of PV : (High efficiency monocrystalline silicon )  
 Pole height: 3m-5m



## SLS-PS30W

Housing: Aluminum + Tempered glass Powder coating  
 Painting  
 Rated Power : 30W  
 Beam angle : 140 \* 70 degree  
 Luminous flux: 36000lm  
 Color Temp : 2700K-6000K  
 CRI : 85  
 LED Qty: 72 Pcs SMD  
 IP Rating : IP67  
 Battery lifetime: 391 WH 12V  
 Intelligent solar charge controller  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV: 60W  
 Cell of PV : (High efficiency monocrystalline silicon )  
 Pole height: 4m-6m



### Solar LED Street Light






## SLS-PS. 0W

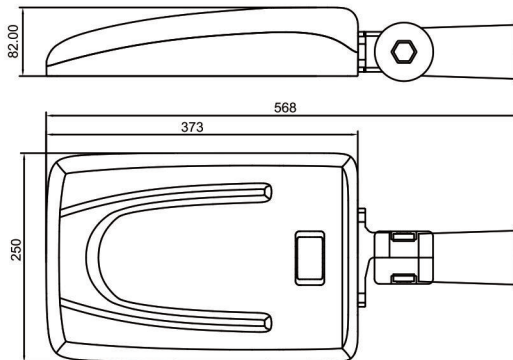
Housing: Aluminum + Tempered glass Powder coating  
 Painting  
 Rated Power : 50W  
 Beam angle :140 \* 70 degree  
 Luminous flux:6200lm  
 Color Temp : 2700K~6000K  
 CRI : 85  
 LED Qty: 90 Pcs SMD  
 IP Rating : IP67  
 Battery lifetime: 548WH 12V  
 Intelligent solar charge controller  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV:100W  
 Cell of PV : (High efficiency monocrystalline silicon )  
 Pole height: 6m~8m



- Smooth & round shape**  
 Friendly design without "thorn" feeling.  
 Flow shape design.
- Water channel design**  
 Water can flow quickly and be able to clean the surface when there's dust.
- Lithium Battery inside**   
 Long lifetime, 1000 Cycles lithium battery inside, up to 686WH Max allowed to put.
- Digital display for position**  
 Precise number mark for rotatable angle.  
 Clear & quick to adjust light position.
- Zigzag design for lock**  
 Best performance to fix light position  
 Never change angle. can load 70Kg max.

## SLS-PS60W

Housing: Aluminum + Tempered glass Powder coating  
 Painting  
 Rated Power : 60W  
 Beam angle :140 \* 70 degree  
 Luminous flux:7200lm  
 Color Temp : 2700K~6000K  
 CRI : 85  
 LED Qty: 90 Pcs SMD  
 IP Rating : IP67  
 Battery lifetime: 635WH 12V  
 Intelligent solar charge controller  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV:120W  
 Cell of PV : (High efficiency monocrystalline silicon )  
 Pole height: 8m~10m





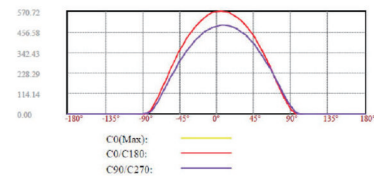
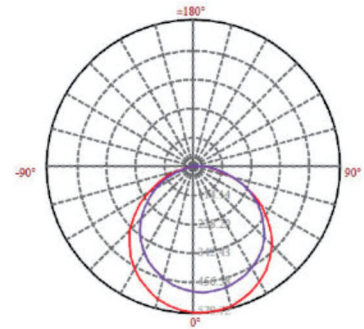
**PV-MS005**

Solar Grden light  
Housing Material: 6063 Aluminum, PC  
Solar Panel : 18V/23WHigh efficiency panel  
Intelligent solar controller  
LED: 12W 10\*18mil Senslights Chip  
LED Type: BridgeLux 45\*45 1-3W  
Luminous: 1320-14500 lm  
Power Storage battery:10AH LiFePO4 Aver  
Operation Time: 10-12hrs  
Battery Charging time:6-7hours/day  
Temperature Range: -20°C - +60°C  
Products Size : 515/435mm  
Proposed pole height 2.5-3M



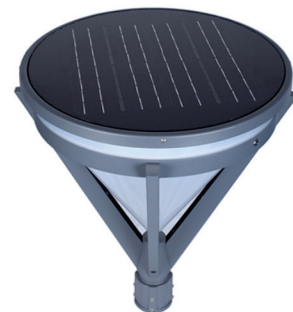
**PV-MS009**

Solar Grden light  
Solar Grden light  
Housing Material: 6063 Aluminum, PC  
Solar Panel : 18V/23WHigh efficiency panel  
Intelligent solar controller  
LED: 12W 10\*18mil Senslights Chip  
LED Type: BridgeLux 45\*45 1-3W  
Luminous: 1320-14500 lm  
Power Storage battery:10AH LiFePO4  
Average Operation Time: 10-12hrs  
Battery Charging time:6-7hours/day  
Temperature Range: -20°C - +60°C  
Products Size : 500/600mm  
Proposed pole height 2.5-3M



**PV-MS011**

Solar Grden light  
Solar Grden light  
Housing Material: 6063 Aluminum, PC  
Solar Panel : 18V/23WHigh efficiency panel  
Intelligent solar controller  
LED: 12W 10\*18mil Senslights Chip  
LED Type: BridgeLux 45\*45 1-3W  
Luminous: 1320-14500 lm  
Power Storage battery:10AH LiFePO4 Average  
Operation Time: 10-12hrs  
Battery Charging time:6-7hours/day  
Temperature Range: -20°C - +60°C  
Products Size : 540/620mm  
Proposed pole height 2.5-3M







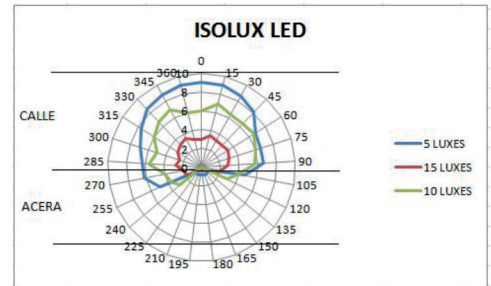
## PV-MS016

Solar Grden light  
 Housing Material: 6063 Aluminum, PC  
 Solar Panel : 18V/23WHhigh efficiency panel Intelligent solar controller  
 LED: 12W 10\*18mil Senslights Chip  
 LED Type: BridgeLux 45\*45 1-3W  
 Luminous: 1320-14500 Im  
 Power Storage battery:10AH LiFePO4  
 Average Operation Time: 10-12hrs  
 Battery Charging time:6-7hours/day  
 Temperature Range: -20°C - +60°C  
 Products Size :  $\phi 510 \times 680$ mm  
 Proposed pole height 2.5-3M



## PV-MS014

Solar Grden light  
 Housing Material: 6063 Aluminum, PC  
 Solar Panel : 18V/23WHhigh efficiency panel Intelligent solar controller  
 LED: 12W 10\*18mil Senslights Chip  
 LED Type: BridgeLux 45\*45 1-3W  
 Luminous: 1320-14500 Im  
 Power Storage battery:10AH LiFePO4 Average Operation Time: 10-12hrs  
 Battery Charging time:6-7hours/day Temperature Range: -20°C - +60°C  
 Products Size :  $\phi 510 \times 565$ mm  
 Proposed pole height 2.5-3M



## PV-MS013

Solar Grden light  
 Housing Material: 6063 Aluminum, PC  
 Solar Panel : 18V/23WHhigh efficiency panel Intelligent solar controller  
 LED: 12W 10\*18mil Senslights Chip  
 LED Type: BridgeLux 45\*45 1-3W  
 Luminous: 1320-14500 Im  
 Power Storage battery:10AH LiFePO4  
 Average Operation Time: 10-12hrs  
 Battery Charging time:6-7hours/day  
 Temperature Range: -20°C - +60°C  
 Products Size :  $\phi 510 \times 750 \times 250$ mm  
 Proposed pole height 2.5-3M





### Solar Sign & Billboard Lighting

SensLights have a wide range of solar products manufactured with most advanced high performance components. Our SensLights products are being used to make illuminated signs, billboards, kiosks, banners, and other applications.

Every sign and billboard solar light system comes with a complete solar power system comprising of 7W solar panel, solar battery assembly, fixture mounting brackets, and autonomous control electronics, to power the lights for a minimum 3 days. Our solar lighting specification optimize each project design by cross referencing location with provided sign drawings, photos and project specification to ensure every system will provide a wireless operation and performance.

Solar flood light series is used in the advanced solar system to achieve superior performance commercial lighting. It provides a high uniformity, excellent efficiency and improved lumen, resulting in lower maintenance costs over time. It is also suitable for outdoor general lighting.

#### Features:

- \* This compact Solar Billboard & Sign light is a popular choice for customers looking to illuminate a single compact all-in-one product.
- \* These units are ideal for smaller signs, supplied with a solar panel of your choice and easy to install.

#### Benefits:

- \* Sign and billboard solar lights are an efficient means to provide lighting and continuous power with no utility lines.
- \* This provide cost savings by eliminating the need to trench wires and the recurring cost of power bills after installation.
- \* These Solar lights provide security, sustainability, and an overall green image.



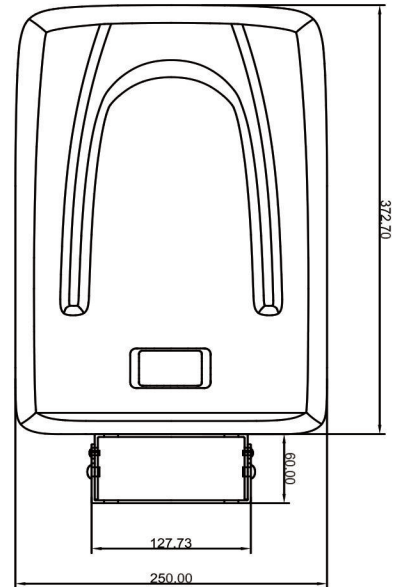
SLS-FS20W

Model:SLS-FS20W



## Solar Flood / Focus lights

Housing: Aluminum + Tempered glass Powder coating back color  
 Rated Power: 20 W  
 Beam angle:140 \* 70 degree Luminous flux:1900lm  
 Color Temp: 2700K~6000K  
 CRI : 85  
 LED Brand & Qty: 48 Pcs SMD  
 IP Rating: IP67  
 Battery lifetime: 268WH 12V  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV:50W  
 Cell of PV : MONO Cell  
 PV Size : 620 \* 535 \*30mm



Model: SLS-FS30W

## Solar Flood / Focus lights

Housing: Aluminum + Tempered glass Powder coating back color  
 Rated Power: 30 W  
 Beam angle:140 \* 70 degree Luminous flux:1900lm  
 Color Temp: 3600K~6000K  
 CRI : 85  
 LED Brand & Qty: 72 Pcs SMD  
 IP Rating: IP67  
 Battery lifetime: 268WH 12V  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV:60W  
 Cell of PV : MONO Cell  
 PV Size : 670 \* 560 \*30mm



- Corgeous surface treatment**  
Dual-layer powder coating finishing. Anti atomization & UV
- Elegant fixture junction**  
Japanese quality standard, no dust spot. Precise molding, tiny & slim junction
- 180° Rotatable bracket**  
Adjustable in 180° degree. More flexible when installation.
- Overhang O.D. Ø60(mm)**  
Big size pipe allowed. Perfect for replacement of halogen light

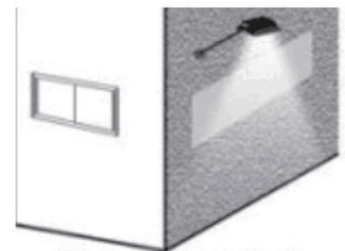


SLS-FS60W

Model: SLS-FS60W

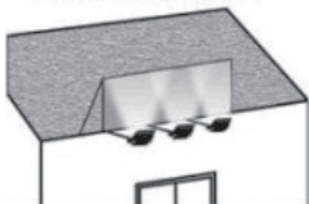
## Solar Flood / Focus lights

Housing: Aluminum + Tempered glass Powder coating back color  
 Rated Power: 60 W  
 Beam angle:140 \* 70 degree Luminous flux:1900lm  
 Color Temp: 7200K~6000K  
 CRI : 85  
 LED Brand & Qty: 90Pcs SMD  
 IP Rating: IP67  
 Battery lifetime: 635WH 12V  
 Solar panel: PWM  
 Voltage of PV: 18V DC  
 Power of PV:120W  
 Cell of PV : MONO Cell  
 PV Size : 1050\* 670 \*30mm



Metope installed

Roof Installation



Above ground installation



## SLS-FS7W

### Solar Focus lights

Housing: Aluminum + Tempered glass  
 Powder coating back color  
 Solar Panel: 7W Poly  
 Beam angle: 140 \* 70 degree  
 LED Brand & Qty: 84pcs  
 Luminous: 250 to 300lm  
 Power Storage: 6V/4.5AH \*2 The LiFePO4 battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -40°C - +80°C  
 Protection: IP65  
 Products Size : 22\*34\*10cm

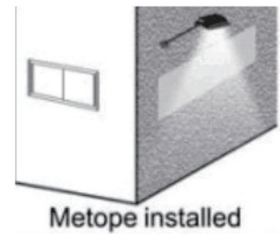


SLS-FS7W

## Model: SLDY05 W

### Solar Focus lights

Housing Material: Aluminum + Tempered glass  
 Products color: Black , Oxidization  
 Solar Panel: 5W , 5.5 V Poly  
 No of LED: 64 pcs , LED Type: SMD 2835  
 Luminous: 600 lm  
 Power Storage battery: 18650 Li-ion 4400mAh  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -25°C - +60°C  
 5 hours 100% bright after 5 hours will dimmer  
 Products Size : 210\*140\*45mm  
 IP level : 65  
 Proposed Installation height : 3-4m



Metope installed



## Model: SLDY06 RGB

### Solar Focus lights

Housing Material: Aluminum  
 Products color: Gray ( Painting )  
 Solar Panel: W , V Glass laminated solar panel 5W with " U" Shape bracket, 3 Meters waterproof DC cable included  
 No of LED: 20 pcs  
 LED : 5W, Full Colorful LEDs  
 Luminous: 350 Lm  
 Proposed lighting height : 2-3M  
 Power Storage battery: 18650 Li-ion 4400mAh  
 Average Operation Time: 10-12hrs after fully charged  
 Battery Charging time: 6-8hours/day  
 Temperature Range: -25°C - +60°C  
 8, With photocell sensor , auto on at night ( in dark ) , auto off in the daytime .  
 Products Size : 180\*170\*100mm  
 IP level : 65





SLDY007D

**SLDY007D**  
Housing: Aluminum Alloy + Glass  
Powder coating back color  
Solar Panel: 3v 5w  
No of LED: 20 LEDS  
Luminous: 210lm  
Battery Storage: 3.2v 3500mah  
Type of battery : LiFeP O4  
Average Operation Time: 10-12hrs  
Battery Charging time: 6-7hours  
Temperature Range: -40°C - +80°C  
Protection: IP65

**SLDY007DD**  
Housing: stainless steel  
Powder coating back color  
Solar Panel: 4W  
No of LED: 36pcs  
Luminous: 252-288lm  
Battery Storage: 6V/4.5AH LiFePO4 battery  
Average Operation Time: 10-12hrs  
Battery Charging time: 6-7hours/day  
Temperature Range: -40°C - +80°C  
Protection: IP65



SLDY007DD



SLDY-008D

**SLDY 008-D**  
Housing: Aluminum Alloy + Glass  
Powder coating back color  
Solar Panel: 4v 5w  
No of LED: 29 LEDS  
Luminous: 210lm  
Battery Storage: 3.2v 4500mah  
Type of battery : LiFeP O4  
Average Operation Time: 10-12hrs  
Battery Charging time: 6-7hours  
Temperature Range: -40°C - +80°C  
Protection: IP65  
5 hours 100% bright after 5 hours will dimmer

**LDY-008D**  
Material: Black Color Aluminum Alloy  
Bulb type: 29Pcs  $\phi 4 \times 8$  Common White (6000K-8000K)  
Color LED  
Battery: 1Pc CP Size 4500mAh 3.6V NI-MH  
Desk stand mounting  
Solar Panel: 4W  
Product size: 28.00 X 28.00 X 42.50 CM  
Operation Hour: 8 to 10 hours



SLDY-008DD



SLDY007DD

**SLDY007DD**  
Housing: aluminum  
Powder coating back color  
Solar Panel: 3W  
No of LED: 24  
Luminous: 168-192  
Battery Storage: 6V/4.5AH LiFePO4 battery  
Average Operation Time: 10-12hrs  
Battery Charging time: 6-7hours/day  
Temperature Range: -40°C - +80°C  
Protection: IP65

# Solar Wall light



## SLDY007W

Housing: Aluminum Alloy + Glass Powder coating back color  
 Solar Panel: 3v 5w  
 No of LED: 20 LEDS  
 Luminous: 210lm  
 Battery Storage: 3.2v 3500mah  
 Type of battery : LiFeP O4  
 Average Operation Time: 10-12hrs Battery  
 Charging time: 6-7hours  
 Temperature Range: -40°C - +80°C  
 Protection: IP65



SLDY007W

## SLDY028WN

Housing: aluminum  
 Powder coating back color  
 Solar Panel: 2.5w  
 No of LED: 36pcs  
 Luminous: 252-288  
 Battery Storage:  
 3.7V/2200MAH, LiFePO4 battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours  
 Temperature Range: -40°C - +80°C  
 Protection: IP65



SLDY028WN

## SLDY029WN

Housing: Aluminum  
 Powder coating back color  
 Solar Panel: 6W  
 No of LED: 72pcs  
 Luminous: 300-310lm  
 Battery Storage: 6.4V 4500mah LiFePO4 battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours  
 Temperature Range: -40°C - +80°C  
 Protection: IP65  
 5 hours 100% bright after 5 hours will dimmer Products  
 Size : 30\*27cm



SLDY029WN

## SLDY008WN

Housing: stainless steel  
 Powder coating back color  
 Solar Panel: 4W  
 No of LED: 36pcs  
 Luminous: 252-288lm  
 Battery Storage: 6V/4.5AH LiFePO4 battery  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day Temperature  
 Range: -40°C - +80°C Protection: IP65  
 5 hours 100% bright after 5 hours will dimmer  
 Products Size : 38cm(H)\*26cm(D)



SLDY008WN

## SLDY008W

Housing: Aluminum Alloy + Glass  
 Powder coating back color  
 Solar Panel: 4v 5w  
 No of LED: 29 LEDS  
 Luminous: 210lm  
 Battery Storage: 3.2v 4500mah  
 Type of battery : LiFeP O4  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours  
 Temperature Range: -40°C - +80°C  
 Protection: IP65  
 5 hours 100% bright after 5 hours will dimmer  
 Products Size : 300\*280\*380mm



SLDY008W



**SLDY3588 DL / WW**

Solar Powered Double Spotlight  
Housing Material : ABS  
Solar Panel: 4V 3W  
Number of LED: 8 LEDS  
Luminous: 100lm  
Power Storage: 3.2V 3400mAh  
Type of battery : LiFeP O4  
Average Operation Time:  
10-12hrs Battery Charging  
time :4-5hrs Temperature Range:  
-40°C - +80°C  
Protection: IP65



SLDY3588



**SLDY3599 DL/ WW**

Solar Powered lights Housing  
Material : ABS  
Solar Panel: 4V 2W  
Number of LED: 8 leds  
Luminous: 200lm  
Power Storage: 3.2V 2600mah Type  
of battery : LiFeP O4 Average  
Operation Time: 10-12hrs Battery  
Charging time :4-5hrs Temperature  
Range: -40°C - +80°C  
Protection: IP65  
Solar Power Source Outdoor Detachable Spotlight with  
LifePO4 Battery



SLDY3599



**SLDY3467 WW / DL**

Solar Powered spike lights  
Housing Material : ABS  
Solar Panel: 4V 2W  
Number of LED: 8 leds  
Luminous: 200lm  
Power Storage: 3.2V 2600mah  
Type of battery : LiFeP O4  
Average Operation Time:  
10-12hrs Battery Charging  
time :4-5hrs Temperature  
Range: -40°C - +80°C Protection:  
IP65



SLDY3467



**SLDY3499 WW / DL**

Solar Garden Sportlights  
Material: 201# Stainless Steel, ABS, PS ,Black  
Solar Panel : Polycrystalline Silicon,5v,2w  
LED Light Source : 4pcs 0.5w led beads Color  
LED : Warm White / White Battery:18650#  
Lithium Battery  
3.7V/2200mAh  
Lumen :High Light:200lm Dim Light:  
80-100lm Color Temperature :2700-6500K  
Working temperature: -25°c + 60 °c  
IP class : IP65  
Product size: L29xW9.5xH34 cm  
Operation Hour: 6 to 8 hours



SLDY3499

Auto light at light and auto off in daytime. 2 working model  
high light and dim light controlled by switch button

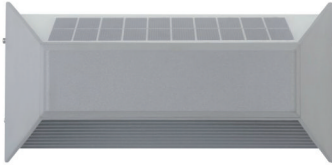


SLDY3576

**SLDY3576 WW / DL**

Solar Billboard lights  
Housing: Aluminum ABS  
Powder coating back color  
Solar Panel: 9v High efficiency solar panel  
No of LED: 48 leds 120LM/W  
Battery Storage: 17600mah  
Average Operation Time: 10-12hrs  
Battery Charging time:6-7hours Temperature  
Range: -40°C - +80°C Protection: IP65  
5 hours 100% bright after 5 hours will dimmer  
Products Size : 600mm





SLDY856

**SLDY856 WW / DL**

Solar Wall Mount Light  
Material: ABS, PS Black  
Solar Panel : Polycrystalline Silicon,4v,3w  
LED Light Source : 56pcs ,5W, 500lumens  
Color LED : Warm White / White  
Battery: 2200mah li-ion polymer battery  
Lumen :500lumens  
Color Temperature :3000-6500K  
Working temperature: -25°c + 60 °c  
IP class : IP68  
Product size: 228MM\*185MM\*108MM  
Operation Hour: 6 to 8 hours

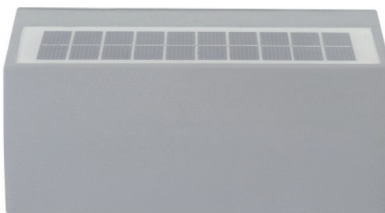
Elegant design ,easy installation on the wall and can be rotated from 0 degree to 80 degree.



**SLDY34 5\*%**

Solar meteor Shower Lights  
Material: ABS and PP  
Solar Panel : Polycrystalline Silicon,5v,3w LED Light  
Source : 36 pcs  
Color LED : RGB  
Battery:18650 # Lithuim Battery 3.7V/2200mAh  
Lumen : 10 \* 10 Lux  
Color Temperature :3000-6500K  
Working temperature: -25°c + 60 °c  
IP class : IP65  
Product size: 13.72mm x 13.72mm x 332.5mm  
Operation Hour: 6 to 8 hours

solar meteor rain shower light decorative RGB lighting



SLDY3499 RGB

**SLDY3499 RGB**

RGB Solar Garden Sportlights  
Material: 201# Stainless Steel, ABS, PS ,Black Solar  
Panel : 5V 3W Polycrystalline Silicon LED Light  
Source : 8pcs 10F  
Color LED : RGB  
Battery:1Pc CP Size 4500mAh 3.6V NI-MH Color  
Temperature :2700-6500K  
Working temperature: -25°c + 60 °c  
IP class : IP65  
Product size: L36XW21XH27 CM  
Operation Hour: 6 to 8 hours

Superb 400 Lumens RGB Solar Powered Led  
Spotlight,Outdoor Flexible Wall- Mount Wall Light



SLDY3499

**SLDY3499 WW / DL**

Solar Garden Sportlights  
Material: 201# Stainless Steel, ABS, PS ,Black Solar  
Panel : Polycrystalline Silicon,5v,2w LED Light Source :  
4pcs 0.5w led beads Color LED : Warm White / White  
Battery:18650# Lithuim Battery 3.7V/2200mAh  
Lumen :High Light:200lm Dim Light: 80-100lm Color  
Temperature :2700-6500K  
Working temperature: -25°c + 60 °c  
IP class : IP65  
Product size: L29xW9.5xH34 cm  
Operation Hour: 6 to 8 hours

Auto light at light and auto off in daytime. 2 working model  
high light and dim light controlled by switch button







SLDY856

SLDY856 8W

### Solar Wall Mount Light

Housing Material: Aluminum + Tempered glass  
 Products color: grey , blue , brown , black , silk  
 Solar Panel: 6.8W , 5.5V Poly  
 LED: 8W  
 Luminous: 110 lm/w  
 Power Storage battery: 12mah 3.7V  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -20°C - +60°C  
 Install height 3-4M  
 Products Size : 280MM\*170MM\*63MM

Elegant design ,easy installation on the wall and can be rotated from 0 degree to 80 degree.

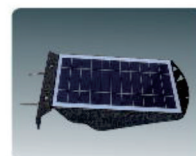


SLDY857

SLDY857 12W

### Solar Wall Mount Light

Housing Material: Aluminum + Tempered glass  
 Products color: grey, blue, brown, black, silk  
 Solar Panel: 9.5W , 6V Poly  
 LED: 12W  
 Luminous: 110 lm/w  
 Power Storage battery: 12mah 3.7V  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -20 °C - +60°C  
 Install height 4-6M  
 Products Size : 376MM\*186MM\*82.5MM



### Model: SLDY05

#### Integrated Solar wall lights

Housing Material: ABS  
 Products color: Black (Black Plastic)  
 Solar Panel: 3W , 5.5V Poly  
 No of LED: 56 pcs  
 LED Type: SMD 3014  
 Luminous: 500 lm  
 Storage battery: 18650 Li-ion  
 battery 2.2Ah , 3.7V  
 Average Operation Time: 10-12hrs  
 Battery Charging time: 6-7hours/day  
 Temperature Range: -25°C - +60°C  
 Products Size : 228MM\*185MM\*108MM  
 Proposed Installation height : 2-3M



solar meteor rain shower light decorative RGB lighting



### SLM223

Solar panel : 9V/1.7W\*2 , Material : ABS/AS  
 Battery : 6V/4500MAH  
 LED : 0.5w 9pcs  
 Charging mode : by sunlight/AC  
 Charging time by AC : 10-12hrs  
 charging time by sunlight : 12-15hrs  
 Function : mobile phone charger FM radio

### SLM224

Solar Panel : 1.7W 9V\*2pcs, 2.5M cable , Material :ABS  
 Battery :4500mAh 6V maintenance-free lead acid  
 Light Source : 13 pcs of LEDs (12 pcs + 1 torch LED) (2W+0.5W)  
 Mobile Phone Charging  
 USB port ,with 5-in-1 USB charging connectors (Nokia 6101, Mini USB, Micro USB, Samsung G600, iPhone)  
 Lighting : 5 brightness settings  
 Battery Capacity Indicator  
 LED Indicator : Protection  
 Overcharge and over-discharge protection  
 Charging Mode : Solar & AC Charger  
 Working Time : Full Battery Brightest-12 hours, for studying and precision work  
 Brighter-20 hours, for cooking and working  
 Bright-40 hours, for walking and socializing  
 Bed-150 hours, for sleeping , Reading light- 45 hours for reading  
 Crust color : yellow, green, blue, orange, black, grey



### SLM226

Solar Panel:4W 9V, 2.5M cable , Material : ABS  
 Battery : 4500mAh 6V Lead acid  
 Light Source: 0.9W LED bulb \* 3pcs, 100LM  
 Mobile Phone Charging  
 USB port, with 5-in-1 USB charging connectors (Nokia 6101, Mini USB, Micro USB, Samsung G600, iPhone)  
 Lighting :1 brightness settings  
 Battery Capacity Indicator :4 LED Indicator  
 Protection :Overcharge and over-discharge protection  
 Charging Mode :Solar & AC Charger  
 Working Time : Full Battery 2 Bulbs: 11hours

### SLM225

Solar Panel : 4W 11V, 5M cable , Material :ABS  
 Battery :4400mAh 7.4V lithium  
 Light Source :0.9W LED bulb \* 4pcs, 100LM  
 Mobile Phone Charging  
 USB port 5V 1000mA output, with 5-in-1 USB mobile charging cable (Nokia 6101,Sumsung G600, Micro USB, Mini USB,iPhone 4/4S)  
 Lighting :1 brightness settings  
 Battery Capacity Indicator :LED Indicator  
 Protection : Overcharge and over-discharge protection  
 Charging Mode :Solar & AC Charger  
 Working Time : Full Battery 4 bulbs-6 hours



### SLM227

Solar Panel:5W 11V, 5M cable ,Material: ABS  
 Battery:5200mAh 7.4V lithium  
 Light Source:0.9W LED bulb \* 5pcs, 100LM  
 Mobile Phone Charging  
 USB port 5V 1000mA output, with 5-in-1 USB mobile charging cable (Nokia 6101,Sumsung G600, Micro USB, Mini USB,iPhone 4/4S)  
 Lighting:1 brightness settings  
 Battery Capacity Indicator  
 LED Indicator  
 Protection Overcharge and over-discharge protection  
 Charging Mode Solar & AC Charger  
 Working Time : Full Battery 5 bulbs-6 hours  
 Crust color: Black



Mode No.: SLDT900K3  
 Output voltage: DC24V  
 Solar panel: 300W\*3pc, Monocrystalline  
 Power of lamp: 80W\*3pc, (LED, 110lumens per watt)  
 Mast height: 7M  
 Mast: Material: Aluminium;  
 4 stages mechanical lift,  
 Range of exposures: 50-150M  
 Working time: 28Hour  
 Charging time: 12Hour  
 Charge controller: 3\*30A/12V/24V  
 Winch: 2000lb, Hand winch  
 Tire diameter: 650mm, ST185R/14LT  
 Battery power: 120Ah/12V\*6pcs  
 Dimensions(length\*width\*height): 2500\*1500\*1550mm  
 Weight(complete appliance): 1050KG  
 Packaging: Wooden Case

Mode No.: SLDT1200K4  
 Output voltage: DC24V  
 Solar panel: 300W\*4pc, Monocrystalline  
 Power of lamp: 100W\*4pc, (LED, 110lumens per watt)  
 Mast height: 10M  
 Mast: Material: Aluminium; 5 stages mechanical lift  
 Range of exposures: 80-180M  
 Working time: 30Hour  
 Charging time: 12Hour  
 Wind generator: 300W  
 Battery Charger: DC28V/20A, AC220V  
 Charger cable: 15.5m with power plug  
 Extendable stabilizer legs: 4\*XY-2000G  
 Charge controller: 3\*30A/12V/24V, MPPT solar controller  
 Winch LB Tire diameter: Hand winch, 2500LBS 680mm,  
 ST215/70R/15C  
 Battery power: 150Ah/12V\*8pcs  
 Dimensions(length\*width\*height): 2650\*1500\*1950mm  
 Weight(complete appliance): 1350KG  
 Packaging: Wooden Case





## Product Introduction

1. No noise or smells, solar operates totally silent
2. With no fuel consumption, no CO<sub>2</sub> emission, no air pollution. It's a clean, renewable energy source .
3. Easy to install and maintenance free.
4. System can be used in all places with abundant sunshine. Ideal for remote locations that cannot be tied to the grid
5. Digital display screen which make output current and voltage visible, malfunction can be detected.
6. Microprocessor intelligent controller functioned with temperature compensation, automatic adjustment of charge and discharge parameters to improve battery life, with over charge, over discharge, overload, short circuit auto protection  
Change to (110V/220V AC pure sine wave inverter with lower distortion of output wave (less than 3%).
8. More than 20 years lifespan for solar panel and 8 years for the maintenance free lead-acid battery.
9. Standard structure of solar panel makes installation and transportation easier.

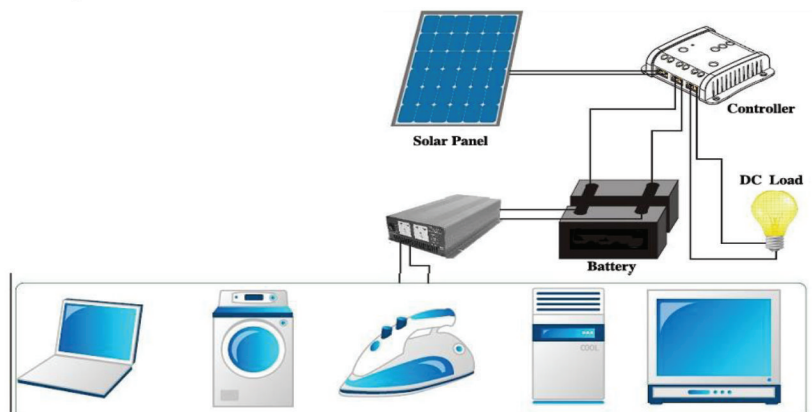
## Application

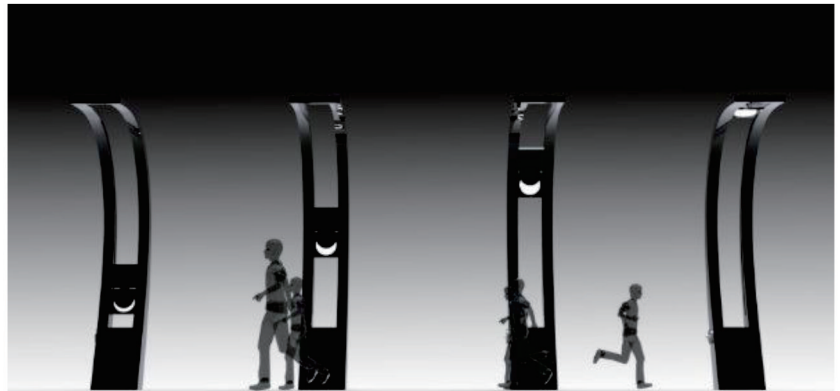
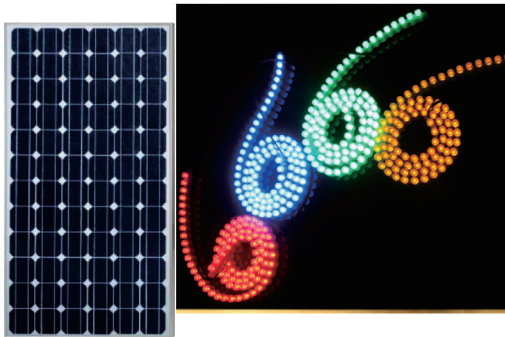
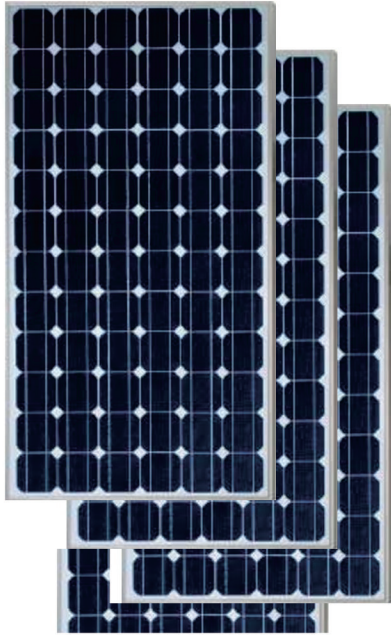
Lamps/TV/Fans/Video/Charger/MP3/MP4/Audio/PSP

Computer/Printer/Copier/Scanner/Screen//Fax

Microwave/fridge freezer/refrigerator/Coffee machine/Washing machine/Baker/Juice machine

Air conditioner/Water pump, etc





**Solar Eclipse**

Solar eclipse is the phenomenon that the sun is covered by the moon at the angle of the earth. We approached so intelligently that we can easily make a solar light street lamp in the street, that is or waiting the moonlight in the night using solar energy at night in the day time.

Excellent Prize  
Eco Solar Street Light Design  
Authentication  
PWA LP Concept Design Award

Solar Energy Street Light  
Titanium, Solar Panel Battery, LED  
Color: Black (gold)  
H: 3200 W: 320 D: 210 mm

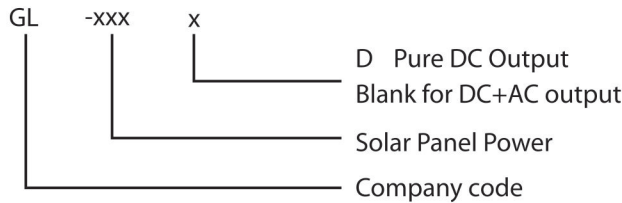
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Portable solar systems is an independent photovoltaic power system which combines charge and discharge control, inverter, power storage, can convert solar energy into electricity. It is a highly integrated and small photovoltaic system.

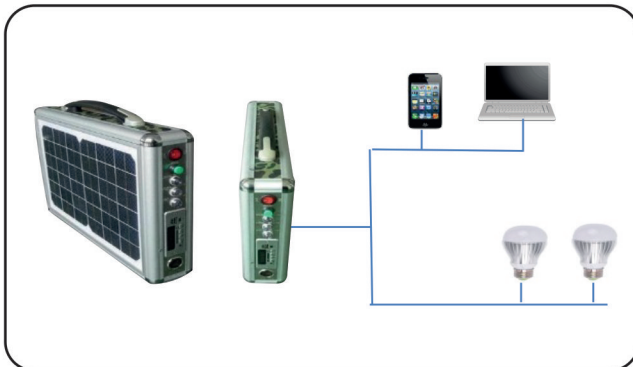
Senslights has the design experience of portable solar system for many years and have a very loyal clientle all over the world. Portable solar system include pure Dc series and combined series. Twenty and more models are available from 20W to 80W to cater to customer needs.

### The model reference:



### Application:

The system can provide clean and free electrical energy for lights, mobile phones, cameras, video cameras, small TV, radios and other commonly electrical equipment. It is particularly suitable for outdoor, remote mountainous areas, islands border posts, barracks, command center, disaster relief, all kinds of fishing boats and other missing power regions and places.



### Features :

- ◆ Low-cost, portable, durable, safe and reliable;
- ◆ No radiation, no noise, no fuel consumption, energy saving;
- ◆ Plug and Play, intelligent control, LED display.

Protective function: Over-temperature, automatic short circuit, over-load, over-voltage, low-voltage alarm protection.

## Application :



### Portable Solar generator - Pure DC Output

Model	Panel power(W)	Battery Capacity (Ah)	DC Power Output(W)	USB port	12V DC port	Status Display	Remaining Power Display	Dimension(D xWxH)MM
SLS - 10 - 5D	10	5	30	1	1	LED	LED	L200 x W150 x H150
SLS - 10 - 7D	10	7	45	1	3	LED	LED	L200 x W120 x H168
SLS - 20 - 12D	20	12	60	1	2	LED	LED	L200 x W150 x H150
SLS - 30 - 17D	30	17	110	1	7	LED	LED	L230 x W220 x H180
SLS - 40 - 24D	40	24	160	1	7	LED	LED	L230 x W220 x H180
SLS - 50 - 33D	50	33	200	2	8	LEDs	LED	L320 x W250 x H220
SLS - 60 - 38D	60	38	250	2	8	LEDs	LED	L320 x W250 x H220
SLS - 70 - 50D	70	50	300	2	8	LEDs	LED	L500 x W250 x H300
SLS - 80 - 55D	80	55	350	2	8	LCD	LED	L500 x W250 x H300
SLS - 100 - 65D	100	65	450	2	8	LCD	LED	L500 x W250 x H300

### Portable Solar generator - DC & AC Output

Model	Panel power(W)	Battery Capacity (Ah)	AC Power Output(W)	USB port	12V DC port	AC port 110-220V	Status Display	Remaining Power Display	Dimension(D xWxH)MM
SLS - 30 - 17	30	17	100	2	2	1	LEDs	LED	L320 x W230 x H220
SLS - 40 - 24	40	24	100	2	2	1	LEDs	LED	L320 x W230 x H220
SLS - 50 - 33	50	33	100	2	2	1	LEDs	LED	L320 x W230 x H220
SLS - 60 - 38	60	38	200	2	2	2	LEDs	LED	L320 x W230 x H220
SLS - 70 - 50	70	50	400	2	2	2	LCD	LED	L500 x W250 x H300
SLS - 80 - 55	80	55	400	2	2	2	LCD	LED	L500 x W250 x H300
SLS - 100 - 65	100	65	400	2	2	2	LCD	LED	L500 x W250 x H300

## Solar System SLSAPP800

Daily power consumption: 2KWH-2.5KWH  
Backup time: 2 days

Technical data:		Item No.	SLSAPP800
Capacity			800VA
System voltage			48VDC
Power generated everyday	Solar Radiation(kWh/m <sup>2</sup> /d): 4		2000WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 5		2400WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 6		2900WH
Inverter	Output wave		Pure sine wave
	Output voltage		AC110/220V
	Output frequency		50/60HZ
	Capacity		800VA
	Precision of output voltage		±3%
	Precision of output frequency		±0.1%
	False output wave of AC		<3%
Solar Panel	Overload ability		120%, 60 seconds
	Invert efficiency		>85%
	Pmax		760W
	Vmp		75.6V
Battery	Imp		10.05A
	Capacity		48V180AH
	Rated voltage		DC 48V
Controller	Rated current		20A
	Control mode		PWM
	Protection		Reverse polarity, overload, reverse charge, etc.
Distribution Box			with all batteries in
Battery Rack			with all batteries in
Solar Mounting System			Pitch Roof/Flat Roof/Ground Mounting Type

Package data:			
Part Name	Unit Size(L*W*H mm)	Unit Weight(kg)	Quantity
Distribution Box			
Solar Panel	1580*808*35	15	4
Battery	522*240*243	53	4
Battery Rack			
20' Container		sets	
40' Container		sets	



## Solar System SLSAPP1000

Daily power consumption: 3KWH-4KWH  
Backup time: 2 days

Technical data:		Item No.	SLSAPP1000
Capacity			1000VA
System voltage			48VDC
Power generated everyday	Solar Radiation(kWh/m <sup>2</sup> /d): 4		3000WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 5		3700WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 6		4500WH
Inverter	Output wave		Pure sine wave
	Output voltage		AC110/220V
	Output frequency		50/60HZ
	Capacity		1KVA
	Precision of output voltage		±3%
	Precision of output frequency		±0.1%
	False output wave of AC		<3%
Solar Panel	Overload ability		120%, 60 seconds
	Invert efficiency		>85%
	Pmax		1000W
	Vmp		69.2V
Battery	Imp		14.46A
	Capacity		48V250AH
	Rated voltage		DC 48V
Controller	Rated current		20A
	Control mode		PWM
	Protection		Reverse polarity, overload, reverse charge, etc.
Distribution Box			with inverter and controller in
Battery Rack			with all batteries in
Solar Mounting System			Pitch Roof/Flat Roof/Ground Mounting Type

Package data:			
Part Name	Unit Size(L*W*H mm)	Unit Weight(kg)	Quantity
Distribution Box			
Solar Panel	1956*992*50	24	4
Battery	520*268*226	74	4
Battery Rack			
20' Container		sets	
40' Container		sets	

## Solar System SLSAPP2000

Daily power consumption: 6KWH-7.6KWH  
Backup time: 2 days

Technical data:		Item No.	SLSAPP2000
Capacity			2000VA
System voltage			48VDC
Power generated everyday	Solar Radiation(kWh/m <sup>2</sup> /d): 4		6000WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 5		7400WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 6		9000WH
Inverter	Output wave		Pure sine wave
	Output voltage		AC110/220V
	Output frequency		50/60HZ
	Capacity		2KVA
	Precision of output voltage		±3%
	Precision of output frequency		±0.1%
	False output wave of AC		<3%
Solar Panel	Overload ability		120%, 60 seconds
	Invert efficiency		>85%
	Pmax		2000W
	Vmp		138.4V
Battery	Imp		14.46A
	Capacity		48V500AH
	Rated voltage		DC 48V
Controller	Rated current		40A
	Control mode		PWM
	Protection		Reverse polarity, overload, reverse charge, etc.
Distribution Box			with inverter and controller in
Battery Rack			with all batteries in
Solar Mounting System			Pitch Roof/Flat Roof/Ground Mounting Type

Package data:			
Part Name	Unit Size(L*W*H mm)	Unit Weight(kg)	Quantity
Distribution Box			
Solar Panel	1956*992*50	24	8
Battery	520*268*226	74	8
Battery Rack			
20' Container		sets	
40' Container		sets	



## Solar System SLSAPP3000

Daily power consumption: 10KWH-11.5KWH  
Backup time: 2 days

Technical data:		Item No.	SLSAPP3000
Capacity			3000VA
System voltage			48VDC
Power generated everyday	Solar Radiation(kWh/m <sup>2</sup> /d): 4		9000WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 5		11250WH
	Solar Radiation(kWh/m <sup>2</sup> /d): 6		13500WH
Inverter	Output wave		Pure sine wave
	Output voltage		AC110/220V
	Output frequency		50/60HZ
	Capacity		3KVA
	Precision of output voltage		3%
	Precision of output frequency		0.1%
	False output wave of AC		<3%
Solar Panel	Overload ability		120%, 60 seconds
	Invert efficiency		>85%
	Pmax		3000W
	Vmp		138.4V
Battery	Imp		21.69A
	Capacity		48V800AH
	Rated voltage		DC 48V
Controller	Rated current		60A
	Control mode		PWM
	Protection		Reverse polarity, overload, reverse charge, etc.
Distribution Box			with inverter and controller in
Battery Rack			with all batteries in
Solar Mounting System			Pitch Roof/Flat Roof/Ground Mounting Type

Package data:			
Part Name	Unit Size(L*W*H mm)	Unit Weight(kg)	Quantity
Distribution Box			
Solar Panel	1956*992*50	24	12
Battery	412*176*342	53	24
Battery Rack			
20' Container		sets	
40' Container		sets	



## Solar System SLSAPP4000

Daily power consumption: 12.5KWH-15KWH  
Backup time: 2 days

Technical data:		SLSAPP4000
Item No.	Capacity	4000VA
	System voltage	96VDC
Power generated everyday	Solar Radiation(kWh/m2/d): 4	11980WH
	Solar Radiation(kWh/m2/d): 5	15000WH
	Solar Radiation(kWh/m2/d): 6	18000WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC110/220V
	Output frequency	50/60HZ
	Capacity	4KVA
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%, 60 seconds
Solar Panel	Pmax	4000W
	Vmp	138.4V
	Imp	28.92A
Battery	Capacity	96V500AH
Controller	Rated voltage	DC 96V
	Rated current	40A
	Control mode	PWM
	Protection	Reverse polarity, overload, reverse charge, etc.
Distribution Box	with inverter and controller in	
Battery Rack	with all batteries in	
Solar Mounting System	Pitch Roof/Flat Roof/Ground Mounting Type	

Package data:			
Part Name	Unit Size(L*W*H mm)	Unit Weight(kg)	Quantity
Distribution Box			
Solar Panel	1956*992*50	24	16
Battery	520*268*226	74	16
Battery Rack			
20' Container	sets		
40' Container	sets		



## Solar System SLSAPP5000

Daily power consumption: 15KWH-18KWH  
Backup time: 2 days

Technical data:		SLSAPP5000
Item No.	Capacity	5000VA
	System voltage	96VDC
Power generated everyday	Solar Radiation(kWh/m2/d): 4	13900WH
	Solar Radiation(kWh/m2/d): 5	17350WH
	Solar Radiation(kWh/m2/d): 6	20800WH
Inverter	Output wave	Pure sine wave
	Output voltage	AC110/220V
	Output frequency	50/60HZ
	Capacity	5KVA
	Precision of output voltage	±3%
	Precision of output frequency	±0.1%
	False output wave of AC	<3%
	Overload ability	120%, 60 seconds
Solar Panel	Pmax	5000W
	Vmp	138.4V
	Imp	36.15A
Battery	Capacity	96V600AH
Controller	Rated voltage	DC 96V
	Rated current	50A
	Control mode	PWM
	Protection	Reverse polarity, overload, reverse charge, etc.
Distribution Box	with inverter and controller in	
Battery Rack	with all batteries in	
Solar Mounting System	Pitch Roof/Flat Roof/Ground Mounting Type	

Package data:			
Part Name	Unit Size (L*W*H mm)	Unit Weight (kg)	Quantity
Distribution Box			
Solar Panel	1956*992*50	24	20
Battery	302*175*342	38	48
Battery Rack			
20' Container	sets		
40' Container	sets		



**DISCLAIMER:**

The products shown in this catalogue is subject to change and may vary in model, performance etc. as an effort of constant research and development for product enhancement.

# NOTES

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