

Sunlink Energy, been dedicated to the R&D, manufacture and international trade of solar modules, solar lights, gird-tied, Off-Grid solar system and Solar Kit.

Sunlink Energy-Customized Solar Power Solutions

- ***Solar lights***
- ***1-5KW gird-tied and off-grid solar system***
- ***Portable solar kit***

We adopt advanced production and testing equipment, with skilled workers and developed techniques. We strictly carry out ISO9001 quality management system, check points at every step of the production process to ensure conformance, use statistical methodology to continuously improve our manufacturing efficiency, eliminate waste, and constantly raise the bar to deliver highly qualified products.

The OEM and custom design service are acceptable by us. We would like to work together with more partners and distributors to develop more business to create prosperous win-win partnerships.

Join Us and Do Business Directly with Manufacturer!

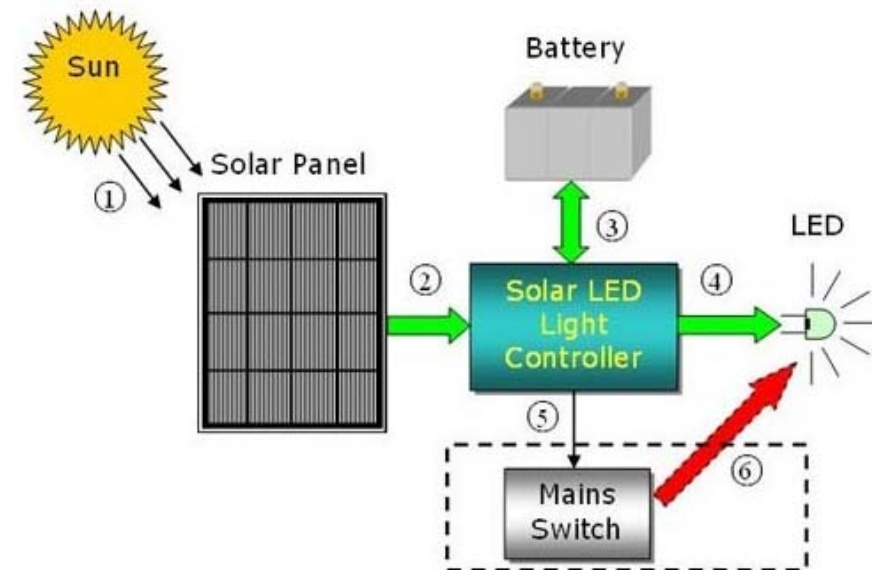


Why Choose Solar Light?

Benefits

- No line voltage, trenching, or metering Immune to power outages
- Battery backup for cloudy days;
- Easy to install with quick connect plugs – less than 1 hour;
- No scheduled maintenance for up to five years;
- No cost of replacing concrete, asphalt or landscaping;
- No cost of transformers and meters to be added for electric service;
- No monthly electric bills;
- Controlled charging to prolong battery service life ;
- Environmentally friendly-100% powered by the sun, solar panels reduce fossil fuel consumption, eliminating pollution;
- Self-contained solution - Light on/off controlled by automatic; daylight sensing or hour preset, no running and maintenance cost;

- Better light source- LED lights feature cool white light without flickering and higher brightness than sodium lights;
- Safe 12 volt/24 volt circuit, no risk of electric shock.



How to Find Yours?

1. Where is the final installation place (Country & City name)? or tell us the latitude and longitude of lighting place.

The solar radiation will be checked according to the installation place to ensure the lighting time, and save the cost at the same time

2. Lighting time per night & backup rainy or cloudy days?

The lighting time usually is 8 hours, 10 hours or 12hours, or choose half power design according to actual conditions.

Besides, how many backup days under rainy or cloudy weather will be required too.

2. Light pole height, and pole style?

Please choose your favorite pole style in our solar street lights, and tell us the pole height you need.

Solar street lights usually adopt light poles from 5M-10M.

4. The power of light source?

The light sources for solar street lights are usually 18W~120W LED.



Solar Light Technical Datasheet	
LED Power	12~126W
Input Voltage	12~24DC V or 100~250ACV
Power Factor	>95%
LED Luminous Efficiency	>110LM/W
light efficiency	>94%
Uniformity of luminance	>0.6
Wavelength(K)	2700~7500
Color Rendering index	Ra>85
Working temperature	-30℃~40℃
Life time	>50000 hours
Protection level	IP65
total flux	1400-4200lm
lighting efficiency	70lm/w-150lm/w
illuminance	15-38lux
wind resistance	31m/s

Solar Street Light Design & Case

System Voltage (VDC)	Light Source(W)	Illumination time(H)	Height of lamp(M)	Solar Panel (W)	Battery (A.h)	System information	Price(USD)
12	12	10	4	30	38	10 hours per day, 5-7 overcast and rainy days	365
	15	10	4	40	38	10 hours per day, 5-7 overcast and rainy days	395
	18	10	4	40	50	10 hours per day, 5-7 overcast and rainy days	423
	21	10	4	50	50	10 hours per day, 5-7 overcast and rainy days	450
	24	10	5	60	60	10 hours per day, 5-7 overcast and rainy days	525
	30	10	5	80	80	10 hours per day, 5-7 overcast and rainy days	616
	36	10	6	90	100	10 hours per day, 5-7 overcast and rainy days	722
	42	10	6	100	100	10 hours per day, 5-7 overcast and rainy days	756
	48	10	6	120	120	10 hours per day, 5-7 overcast and rainy days	845
24	56	10	6	140	140	10 hours per day, 5-7 overcast and rainy days	946
	63	10	7	160	160	10 hours per day, 5-7 overcast and rainy days	1063
	70	10	7	170	160	10 hours per day, 5-7 overcast and rainy days	1106
	84	10	8	200	200	10 hours per day, 5-7 overcast and rainy days	1347
	98	10	8	240	240	10 hours per day, 5-7 overcast and rainy days	1565
	112	10	9	280	300	10 hours per day, 5-7 overcast and rainy days	1805
	126	10	10	300	300	10 hours per day, 5-7 overcast and rainy days	1897

Remark:

1. Solar Panel: 30W-300W monocrystalline or polycrystalline;
2. Light source: 12W-126W LED or LPS;
3. Controller: Waterproof IP68, intelligent by time or light control, over-charging and discharging protections;
4. Storage battery: 20AH-200AH gelled valve-regulated sealed battery for solar lighting;
5. Light pole: normal 5-10 meters, made of quality steel. Wind resistance $\geq 120\text{KM/H}$;
6. Ambient temperature: $-30 \sim +60$ centigrade;
7. Lighting time: 8-12 hours per night, 3-6 overcast or rainy days (as per request);
8. System voltage: DC12V / DC24V;

Solar Garden Light Design & Case

System Voltage (VDC)	Light Source(W)	Illumination time(H)	Height of lamp(M)	Solar Panel (W)	Battery (A.h)	System information	Price(USD)
12	6	8	3	15	17	8 hours per day, 5-7 overcast and rainy days	365
	9	8	3	25	24	8 hours per day, 5-7 overcast and rainy days	395
	12	8	3	30	38	8 hours per day, 5-7 overcast and rainy days	423
	15	8	3	40	40	8 hours per day, 5-7 overcast and rainy days	450
	18	8	4	45	50	8 hours per day, 5-7 overcast and rainy days	525
	21	8	4	55	60	8 hours per day, 5-7 overcast and rainy days	616
	24	8	4	60	65	8 hours per day, 5-7 overcast and rainy days	722
	6	8	3	15	17	8 hours per day, 5-7 overcast and rainy days	756
	9	8	3	25	24	8 hours per day, 5-7 overcast and rainy days	845

Remark:

1. Solar Panel: 30W-60W monocrystalline or polycrystalline;
2. Light source: 5W-15WLED or energy-saving lamp;
3. Controller: waterproof IP68, intelligent with time control & light control, over-charging and discharging protections;
4. Storage battery: 30AH-80AH gelled valve-regulated sealed battery for solar lighting;
5. Light pole: 2.5m-4m, plastic coated after hot dipped galvanizing;
6. Ambient temperature: -30 centigrade to +60 centigrade;
7. Lighting time: 8-12 hours per night, 3-6 overcast or rainy days (4 hours sunshine every day);
8. Life time>50000H;

Warranty Term For Street and Garden Solar Light:

- **Solar Panel:** 25 years output and workable warranty. 15 years more than 90% and 25 years more than 80% power output.
- **LED Light:** more than 50 000 hours working time, 2 years warranty.
- **Controller:** 2 years warranty
- **Pole:** Up to 25 years long life, 15 years warranty.
- **Battery:** Max 5-7 years life time, 3 years warranty.

Solar Lawn Lights

Item	Solar Panel Spec	Light Source	Battery	Working Time	Packing	N/G Weight	Material	EXW Price(USD)
SL-E305	2.5W	12 LEDs	Ni-Cd 2*1.2V4000mAh	8 hours	35*35*63cm	2.8Kg/4Kg	Cast aluminium & PMMA	35.90
SL-E306	2.5W	12 LEDs	Ni-Cd 2*1.2V4000mAh	8 hours	35*35*63cm	2.3Kg/3.5Kg	Cast aluminium & PMMA	35.90
SL-E310	2.5W	12 LEDs	Ni-Cd 2*1.2V4000mAh	8 hours	29.5*29.5*64.5cm	2.1Kg/3.2Kg	Cast aluminium & PMMA	36.90
SL-E315	2.5W	12 LEDs	Ni-Cd 2*1.2V4000mAh	8 hours	29.5*29.5*58.5cm	5.9Kg/7Kg	Cast aluminium & PMMA	36.90
SL-E316	2.5W	12 LEDs	Ni-Cd 2*1.2V4000mAh	8 hours	29.5*29.5*58.5cm	5.6Kg/6.7Kg	Cast aluminium & PMMA	36.90

Description: As decorative lighting, mainly used in park, scenic tourism park, garden, yard, grass lawn, small green belt, square and walked-way etc, they are not only for lawn lighting purpose, but also bright spots to lawn, beautifying the environment. Automatic charging during the day, evening automatic light. The LED light source has advantages of energy-saving, environment friendly and long life.



Remark:

1. The power of 1W LED is equivalent to 8W energy-saving lamp;
2. The light can last 3-6 rainy or cloudy nights after it is full charged;
3. 2.5w monocrystalline silicon solar module, steel laminated, with conversion rate 18% \pm 0.5;
4. Maintenance free lead-acid battery 6V, 4AH. Charge in day and discharge in evening, charging and discharging protection;
5. Controller adopts advanced chips and semiconductor circuits;
6. Energy efficiency and service life are 3 times higher than ordinary solar light;
7. Two years' limited warranty;

Solar Wall Lights and Solar Column Head Lights

Item	Solar	Light Source	Battery	Lighting	Dimension	N/G Weight	Material	EXW Price(USD)
SL-E501	0.15W	1 LED	Ni-MH 1x1.2V 600mAh	8 hours	65*65*70mm	0.1KG (60/pcs/ ctn)	ABS, PS	8.5
SL-E502	0.4W	2 LED	Ni-Cd 2x1.2V 600mAh	8 hours	150*150*120	0.51KG (12pc/ ctn)	ABS, PS	9.9
SL-E410	2.5W	12LED	Ni-Cd 2x1.2V 4000mAh	8 hours	240*360mm	1.8KG (1/pcs/ ctn)	Cast aluminium, Glass	30.5
SL-E411	2.5W	12LED	Ni-Cd 2x1.2V 4000mAh	8 hours	240*360mm	1.8KG (1/pcs/ ctn)	Cast aluminium, Glass	30.5
SL-E420	2.5W	8 LED	Ni-Cd 1x1.2V 4000mAh	8 hours	240*320mm	1.8KG (1/pcs/ ctn)	Cast aluminium, Glass	28.5
SL-E421	2.5W	8 LED	Ni-Cd 1x1.2V 4000mAh	8 hours	240*320mm	1.8KG (1/pcs/ ctn)	Cast aluminium, Glass	28.5



Remark:

1. The power of 1W LED is equivalent to 8W energy-saving lamp;
2. The light can last 3-6 rainy or cloudy nights after it is full charged;
3. 2.5w monocrystalline silicon solar module, steel laminated, with conversion rate 18% ± 0.5;
4. Maintenance free lead-acid battery 6V, 4AH. Charge in day and discharge in evening, charging and discharging protection;
5. Controller adopts advanced chips and semiconductor circuits;
6. Energy efficiency and service life are 3 times higher than ordinary solar light;
7. Two years' limited warranty;