

Park/ Backyard/ Garden/ Landscape

Color rendering is one of the key elements to represent a beautiful garden.
SOLAR GARDEN LIGHT offers multiple LED colors to choose from, to allow colorful lighting with easy installation and maintenance.



- * Easy installation
- * Few maintenance requirements
- * Delicate design with high quality surface coating
- * Energy efficient
- * Multiple choices of colors and designs

1 Step quick Replacement



MODEL	SGS001	SGS002	SGS003	SGS004
CASING MATERIAL	Tempered glass, Aluminum	Glass, Aluminum	Glass, PC, Cast iron	Glass, PC, Cast iron, Acryl
SOLAR PANEL	Multi-crystalline Si			
	Cell Type			
	Panel Size (mm)	-	80 * 80	145 * 145
BATTERY	Vmax/Imax (V/mA)	5 / 300	5 / 140	5.5 / 300
	V/mAH	3.2/1500		3.7/1000
LIGHT UNIT	Type	LiFePO ₄ Battery 1pcs	LiFePO ₄ Battery 1pcs	Li-ion Polymer Battery 1pcs
	LED Type	Super Bright LED		
LED POWER (W)	LED Diameter (mm)	5	10	5
	LED Quantity	12	6	6
LIGHTING TYPE	Constant Charging Color			
LIGHT COLOR	Red, Yellow, Blue, Green, White, Mixed	Red, Yellow, Blue, Green, White	Red, Yellow, Blue, Green, White, Mixed	
CHARGING	From Sunrise to Sunset (About 12 hrs), depends on latitude The light will not work during charging			
WORKING	From Sunset to Sunrise (About 10 hrs)			
EFFICIENCY	The product can work for 85 hrs after being fully charged. If the product works for 10 hrs a day, it can work for 8.5 days without charging			
PRODUCT SIZE (mm)	203*203*65 (L*D*H)	150*770 (Ø*H)	83*83*510 (L*D*H)	150*150*770 (L*D*H)
WORKING TEMPERATURE	-20°C ~ 85°C			
WEIGHT LOAD (PHYSICAL) (kgf)	2500	-	-	-



Solar LED Roadway Light

Roadway/ Highway/ Bridge/ Airport/ Parking lot lighting

SOLAR LED ROADWAY LIGHT is a series of large scale lighting devices with high illumination intensity and energy saving feature which offers the required illumination and a safe driving environment.

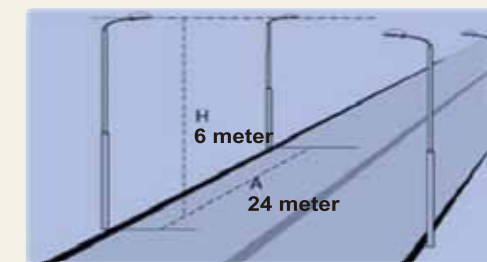
Product Components

Solar panel, Battery pack, Lamp, Pole (Optional), Built-in controller. Battery pack and controller are installed in the controller box.

Features

- * High uniform illumination distribution accurate distance measurement for installation
- * Illumination time controller included, easy time setting and maintenance
- * Unique cooling off design guarantees long battery life span (over 2000 hours)
- * Multi-chip packaging for high luminance intensity
- * Strengthened surface coating to endure outdoor conditions
- * Up to 10 degrees tilt angle
- * Energy saving & cost-effective

Polar Candela Distribution



MODEL	SRL-M4P15DC-F13E85K5	SRL-M6P30DC-F27E85K5	SRL-M8P50DC-F45E85K5	
SOLAR MODULE	Wp	85 (Depends on local ESH)	130 (Depends on local ESH)	
	Working Time (Hrs/Day)	2 (Full run, depends on local ESH)		
	Dim.(mm)/Weight(kg)	552*1206*35 / 8.1	666*1471*35 / 12	666*1471*35 / 12
LED	Consumed Power (W)	15 (Mounting height=5M)	30 (Mounting height=6M)	50 (Mounting height=8M)
	Luminary Flux (lm)	>1350 (@Tj=25°C)	>2700 (@Tj=25°C)	>4500 (@Tj=25°C)
	Color Temperature (K)	5000~7000		
ILLUMINATION	Max. Intensity (Lux)	>14 (Mounting height=5M)	>20 (Mounting height=6M)	>18 (Mounting height=8M)
	Uniformity	>0.6 (Uniformity = Imin. / Iavg.)		
BATTERY VOLTAGE / CAPACITY (V/Ah)	12 / 50*2 (Endurance Lead Acid Battery)		12 / 75*4 (Endurance Lead Acid Battery)	
WORKING TIME (Hrs. / Day)	8 (Full run)			
ENDURANCE DAYS FOR CLOUD (Days)	>3 (Under full capacity)			

OPTI-Solar USA: Tel: +1-909-869-5700 Fax: +1-909-869-5730 info@opti-solar.com
OPTI-Solar Australia: Tel: +61-2-4940-8714 Fax: +61-2-4962-4371 info@opti-solar.com
OPTI-Solar MIDDLE EAST: Tel: +9714-8819-838 Fax: +9714-8819-938 info@opti-solar.com
OPTI-Solar Japan: Tel: +81-3-3629-5782 Fax: +81-3-5682-0652 info@opti-solar.com
OPTI-Solar Asia: Tel: +886-2-2246-7272 Fax: +886-2-2246-7312 D/L: +886-2-2244-8499 info@opti-solar.com

Solar LED Street Light

Street/ Alley/ Residential/ Campus/ Garden/ Park lighting

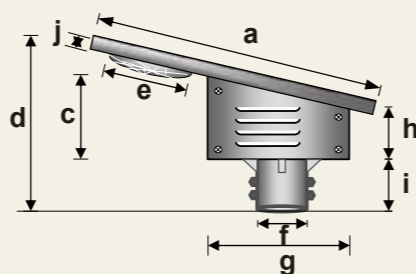
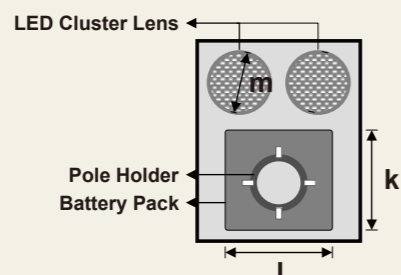
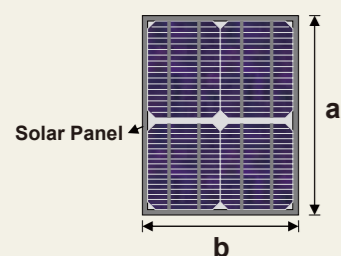


SOLAR LED STREET LIGHT is a series of energy saving lighting equipment which is applied in streets, alleys, or small areas. Lower power illumination feature will help to make a warmer atmosphere in safety consideration.

Product Components

Solar panel, Battery pack, Lamp, and Built-in controller. Battery pack and controller are installed in the controller box.

- * Gentle lighting creates a warm atmosphere
- * Easy construction and maintenance
- * Built-in light sensor, automatic lighting detection and on/off function



DIMENSION (UNIT: CM)					
a	35.7	54.5	80	121	147
b	31.7	35.7	66	53.8	66.5
c	17	17	29.6	28.2	31
d	36.6	42	56	54	600
e	10	18.5	27.5	18.5	27.5
f	8.5	8.5	8.5	11.2	14
g	19.8	20	30	45	40
h	14	14	22	22.5	25
i	14.5	14.8	12	15.5	20
j	3	3	3	3	3
k	19.8	20	30	45	40
l	18	18	19.8	30.3	40
m	10	18.5	27.5	18.5	27.5

Solar LED Traffic Indicator

Roadway/ Street signs/ Indicators/ Traffic lights

SOLAR LED TRAFFIC INDICATOR are required to keep harmony on the streets. Ensuring pedestrian and driving safety is the priority consideration of this series of products. For all the traffic indicators that are required, a large amount of energy must be spared. Solar LED Traffic Indicator consumes less power in effort to cut down on energy burdens. Customized design allows this technology to be used in all regions without concerns of government regulation diversity. This product is easy to install, making it available to benefit from right away.



MODEL		STS001	STS005	STS006A(B)	STS007
SOLAR PANEL	Voltage	3V			
	Current	120mA	520mA		
BATTERY	Material	Ni-MH rechargeable battery	Sealed, lead-acid rechargeable battery		
	Voltage / Capacity	1.2V / 1700mAh	2V / 5Ah		
LED	Color	5Φ / Yellow, Red, Green, Blue	5Φ / Yellow, Red		
	Quantities (pcs.)	6	9 / 27	8	
	Power (W)	0.014	0.015	0.014	0.014
	Flash rate	90 Times / min +/-20%			
	Operation Time	At night			
WEIGHT (PHYSICAL)		850g	5.2kg	6.3kg	8.3kg

MODEL		STS008	STS009	STS010	STS011	STS012
SOLAR PANEL	Voltage	5.5V	9V			
	Current	140mA	520mA			
BATTERY	Material	Li rechargeable battery	Lead-acid rechargeable battery		Sealed, lead-acid rechargeable battery	
	Voltage / Capacity	3.7V / 2.4Ah	6V / 20Ah		6V / 10Ah	
LED	Color	5Φ / Yellow, Red	10Φ / Yellow, Red		5Φ / Yellow, Red	
	Quantities (pcs.)	6	168 / 336	240	57	141
	Power (W)	0.13	1.2		1	1.2
	Flash rate	90 Times / min +/-20%				
	Operation Time	At night	24 hours		At night	
WEIGHT (PHYSICAL)		1.7kg	11.9kg	17.2kg	12kg	

MODEL		STS013A	STS013B
LED COLOR		Yellow, Red, Blue, Green, White, Warm White	
LED QUANTITIES (PCS.)		8	1
LUMINOUS POWER (W)		0.8	0.1
VIEWABLE DISTANCE (m)		400	
LUMINESCENCE		Blink or remain lit	
VIEW ANGLE		360°	
CONTINUOUS WORK WITHOUT SUNSHINE		Up to 7 days	
IP GRADE		IP68	
AMBIENT TEMPERATURE		-20°C ~ 80°C	
DIMENSION	Diameter (cm)	8	5.5
	Height (cm)	3	
WEIGHT (PHYSICAL)		260g	140g

MODEL		ST-10W	ST-20W	ST-65W	ST-80W	ST-129W
SOLAR PANEL	Type/ Vpm	Multi-crystal silicon / 17.0V				
	Ipm	0.59A	1.18A	3.8A	4.7A	7.6A
BATTERY	Type	Lead Acid rechargeable battery				
	Voltage/ Current	12V/7Ah	12V/12Ah	12V/36Ah	12V/50Ah	12V/100Ah
LED	Color	White/ Yellow				
	Quantities (pcs.) (Cluster)	60	88	168	240	504
	Operation Time	Automatically light on 10 hours during night				
SUGGESTION INSTALLATION HEIGHT (m)		2	2.5	4	4.5	5.5
WEIGHT (PHYSICAL)		9.6kg	12kg	37kg	56kg	76kg