



Gulf Specialized Co.
Power & Energy



CONSERVING NATURAL
RESOURCES

SOLAR LIGHTS
LIGHTNING SOLUTION

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INTRODUCTION

Solar street lights are raised light sources which are powered by solar panels generally mounted on the lighting structure or integrated into the pole itself. The solar panels charge a rechargeable battery, which powers a fluorescent or LED lamp during the night. Most solar lights turn on and turn off automatically by sensing outdoor light using solar panel voltage. Solar streetlights are designed to work throughout the night. Many can stay lit for more than one night if the sun is not in the sky for an extended period of time

WHY CHOOSE SOLAR LIGHTING

ADVANTAGES

No pollution or noise produced

No dependency on erratic or expensive fuel chain supply (avoid also the risk of fuel theft)

Low regular maintenance requirements since solar panels and invertors have no moving parts

Highly reliable and durable

Reliable and long life span. Solar panels life can be at least 25 years

Low Operation costs since fuel is not needed and system run on sunlight

work effectively in two consecutive rainy days

• SOLAR STREET LIGHT

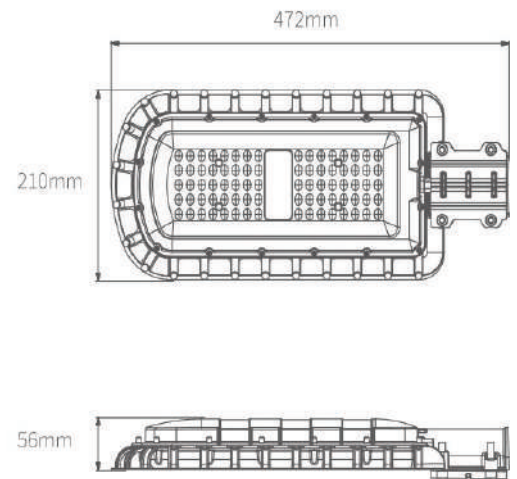
It is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

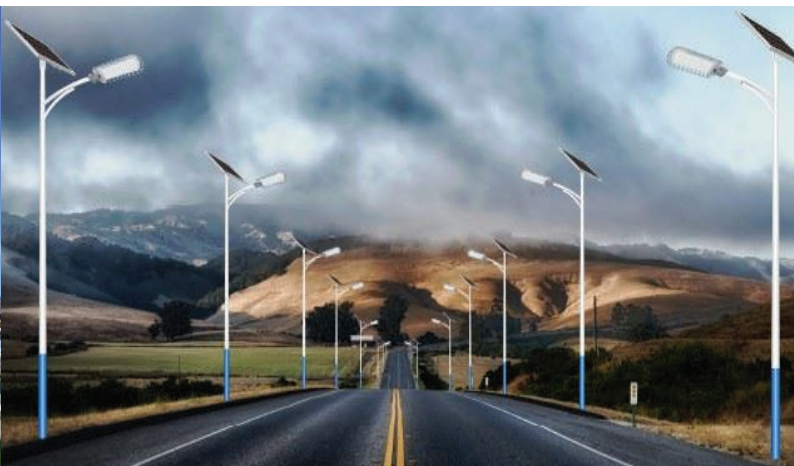
- Using LiFePO4 Battery, high efficient LED, PC outdoor optical lens, and high quality rolled plate with reliable quality and long life span.
- Can light up all the night no matter how long the cloudy and rainy day last.
- LiFePO4 can be used between -47°C to +70°C
- 3.2V low voltage design, safe and reliable.
- Integrated design, modular production, easy installation, integrated packing, convenient transportation

Product Technical Parameters

Solar Panel	5V/50W(mono-crystalline)
Light Source	2160lm (common 20W LED)
Battery	3.2v/25Ah LiFePO4 battery
Installation Distance	20-30m
Installation Height	5-6m
Installation way	Install on the pole
Lighting Time	Intelligent control, Whole night lighting



In-SL



• SOLAR STREET LIGHT

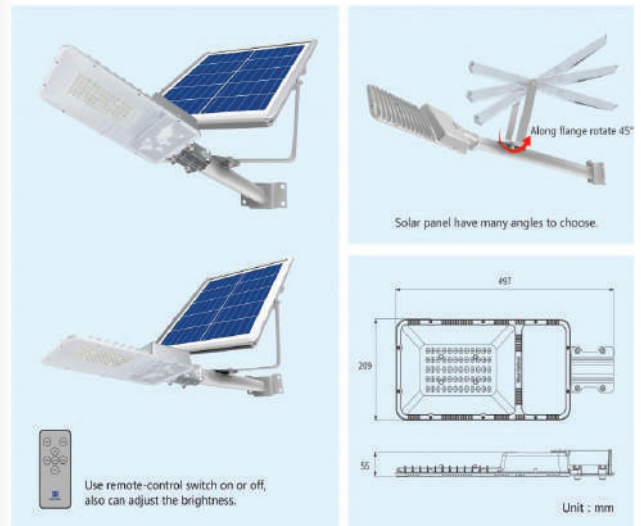
It is widely used for the lighting courtyard, Road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting

Advantages

- The battery has no memory effect and can be charged and discharged cyclically, with a discharge depth of 95%
- Integrated design can prevent theft,
- Aviation grade gold-plated plug, the safety performance is greatly improved
- 1/1000 failure rate, 10 years quality protection, trustworthy

Product Technical Parameters

Solar Panel	5V/50W
Light Source	1900Lm Common 7W LED
Battery	3.2v/20Ah LiFePO4 battery
Installation Distance	20-30m
Installation Height	5-6m
Installation way	Install on the pole
Lighting Time	Intelligent control, Whole night lighting



M-SI-SL



• SOLAR STREET LIGHT

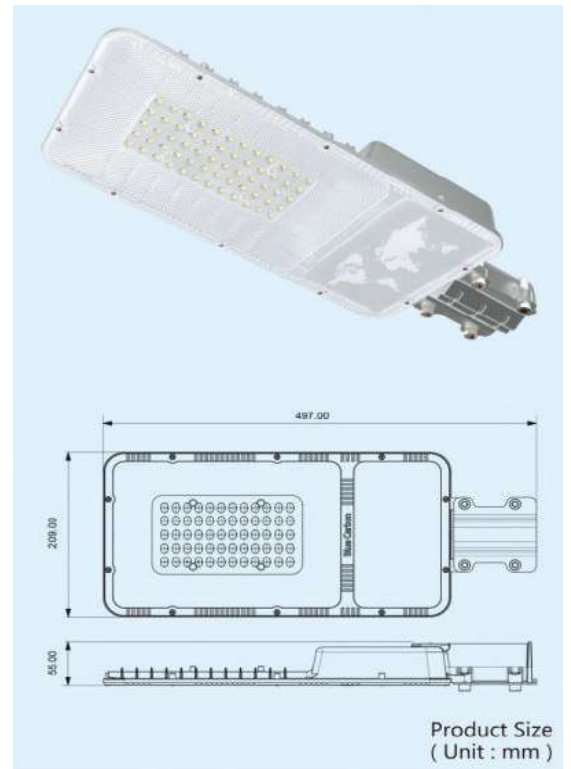
It is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

- The battery has no pollution, precious metal and harmful metal, and has high-cost performance
- It can selectively absorb solar rays from clouds
- 3.2-volt low voltage power generation to solve the trouble of no electricity in rainy days
- Extreme temperatures can also generate electricity, desert can be used, and MINUS -47 degrees Celsius can also be use

Product Technical Parameters

Solar Panel	5V/50W
Light Source	2100Lm Common 20W LED
Battery	3.2v/40Ah LiFePO4 battery
Installation Distance	20-30m
Installation Height	5-6m
Installation way	Install on the pole
Lighting Time	Whole night lighting, with remote control



SI-SL



• SOLAR STREET LIGHT

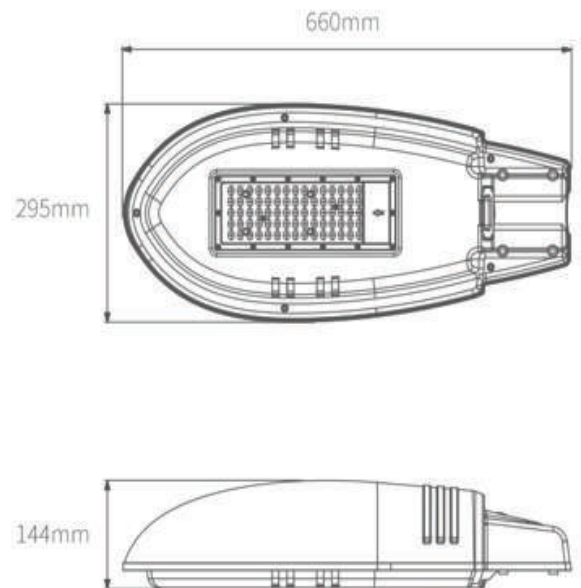
Small density, high specific strength and it is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

- Using LiFePO4 Battery, highly efficient LED, PC outdoor optical lens, and high quality rolled plate with reliable quality and long-life span.
- Can light up all the night no matter how long the cloudy and rainy day last.
- LiFePO4 can be used between -47°C to +70°C
- 3.2V low voltage design, safe and reliable.
- Integrated design, modular production, easy installation, integrated packing, convenient transportation.

Product Technical Parameters

Solar Panel	5V/125 W
Light Source	5400Lm Common 50W LED
Battery	3.2v/70Ah LiFePO4 battery
Installation Distance	30-45m
Installation Height	8-10m
Installation way	Install on the pole
Lighting Time	Intelligent control, Whole night lighting



HB-SL



• SOLAR STREET LIGHT

It is remote control, equipped with dry season mode (full sunshine) and rainy season mode (less sunshine) it is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

- Using LiFePO4 Battery, highly efficient LED, PC outdoor optical lens, and high quality rolled plate with reliable quality and long-life span.
- Can light up all the night no matter how long the cloudy and rainy day last.
- LiFePO4 can be used between -47°C to +70°C
- 3.2V low voltage design, safe and reliable.
- Integrated design, modular production, easy installation, integrated packing, convenient transportation.

Product Technical Parameters

Solar Panel	5V/80 W - 5V/120 W
Light Source	3600Lm Common 30W LED
Battery	3.2v/50Ah LiFePO4 battery 3.2v/70Ah LiFePO4 battery
Installation Distance	30-45m
Installation Height	8-10m
Installation way	Install on the pole
Lighting Time	Intelligent control, Whole night lighting, use remote control



Cr-SL



• SOLAR STREET LIGHT

It is remote control, equipped with dry season mode (full sunshine) and rainy season mode (less sunshine) it is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

- Using LiFePO4 Battery, highly efficient LED, PC outdoor optical lens, and high quality rolled plate with reliable quality and long-life span.
- Can light up all the night no matter how long the cloudy and rainy day last.
- LiFePO4 can be used between -47°C to +70°C
- 3.2V low voltage design, safe and reliable.
- Integrated design, modular production, easy installation, integrated packing, convenient transportation.

Product Technical Parameters

Solar Panel	5V/80W - 5V/160W - 5V/180W
Light Source	3600Lm Common 36W LED 8400Lm Common 80W LED 14000Lm Common 120W LED
Battery	3.2v/70Ah LiFePO4 battery 3.2v/160Ah LiFePO4 battery 3.2v/200Ah LiFePO4 battery
Installation Distance	40-50m
Installation Height	8-10m
Installation way	Install on the pole
Lighting Time	Whole night lighting, with remote control



Ki-SL



• SOLAR STREET LIGHT

It is remote control, equipped with dry season mode (full sunshine) and rainy season mode (less sunshine) it is widely used for the lighting courtyard, road, village road, communities, factories, schools, parks, scenic spots, courtyard lighting,

Advantages

- Using LiFePO4 Battery, highly efficient LED, PC outdoor optical lens, and high quality rolled plate with reliable quality and long-life span.
- Can light up all the night no matter how long the cloudy and rainy day last.
- LiFePO4 can be used between -47°C to +70°C
- 3.2V low voltage design, safe and reliable.
- Integrated design, modular production, easy installation, integrated packing, convenient transportation.

Product Technical Parameters

Solar Panel	5V/135W - 5V/160W - 5V/180W
Light Source	7700Lm Common 70W LED 8000Lm Common 80W LED 13600Lm Common 120W LED
Battery	33.2v/140Ah LiFePO4 battery 3.2v/160Ah LiFePO4 battery 3.2v/200Ah LiFePO4 battery
Installation Distance	40-50m
Installation Height	8-10m
Installation way	Install on the pole
Lighting Time	Whole night lighting, with remote control

Blue-Fire Light 2.0



- All night lighting. The light never be off no matter how many rainy or cloudy days.
- The light can be installed from highway area to Police request. The working temperature is -40~70°C.
- Integrated design, modular production and easy maintenance.



- Low voltage design, safe and reliable.
- Integrated package, convenient transportation.
- 3000mAh battery, high safety, long lifespan.



- 3000mAh battery, high safety, long lifespan.
- 3000mAh battery, high safety, long lifespan.

BI-SL



• Solar Garden light

It is widely used for the lighting courtyard, housing estate, feature spot, it is easily to be installed, no need to hang wires or dug construction, and even no worry about electric shock and ration of power, energy saving, no electricity bills, longer life span

Advantages

- Original patent design. independent mound.
- Extreme weather can also generate electricity.
- The installation method is simple and easy.
- Anti-theft of lamp integrated design.
- Low-voltage design can also generate electricity in rainy days.
- No matter what the weather is, it lights up every day at night
- High light transmission pc lens.
- No need for electricity, saving energy and resources.



Ap-GL



Product Technical Parameters

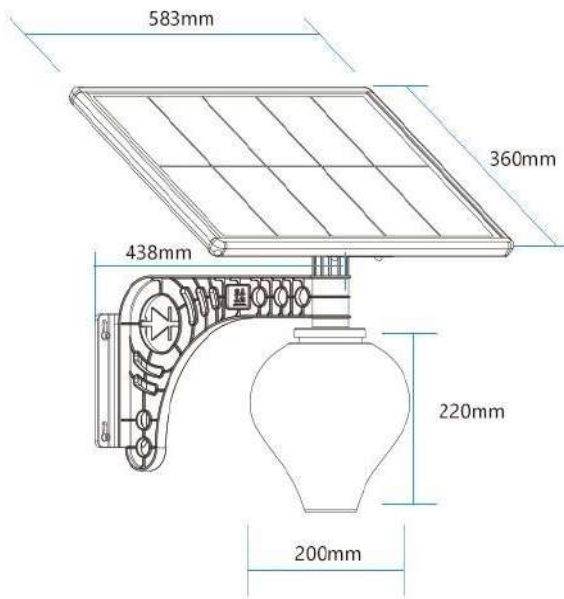
Solar Panel	5V/18 W
Light Source	450Lm Common 10 W LED
Battery	3.2v/13Ah LiFePO4 battery
Installation Distance	10-15m
Installation Height	2.5-3.5m
Installation way	Install on the pole
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control



• Solar Garden light

Advantages

- The characteristics of this LED street light is unidirectional, no light diffuses, to ensure validity of illumination.
- The lamp body uses flame retardant materials, impact resistance, vibration resistance, and protection grade reach IP65.
- Green environmental protection, no ultraviolet ray and no infrared ray, no radiation, and soft lighting efforts, no stroboscopic, frequency can be.
- Highly efficient and long-life span



Unit: mm

Pe-GL

Product Technical Parameters

Solar Panel	5V/36 W
Light Source	880Lm Common 15W LED
Battery	3.2v/26Ah LiFePO4 battery
Installation Distance	10-15m
Installation Height	3-5m
Installation way	Install on the pole or wall
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control



• Solar Garden light

Advantages

- All night lighting the light never be off no matter how many rainy or cloudy days.
- The light can be installed from Equator area to Polar regions The working temperature is -47 to 70c.
- Integrated design, modular production and one screw installation.
- 3.2V, low voltage design, safe and reliable.
- integrated package convenient transportation. With LiFePO4 battery, high safety, long lifespan. Using high efficiency LED with 50,000 hrs. life span.



Lo-GL

Product Technical Parameters

Solar Panel	5V/18 W
Light Source	660Lm Common 7W LED
Battery	3.2v/20Ah LiFePO4 battery
Installation Distance	10-15m
Installation Height	2.5-3.5m
Installation way	Install on the pole or wall or pillar
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control



• Solar Garden light

It is easy to be installed and more attractive, it is widely used for park lawn, villa, green space, resort, golf course, greenery and beautifications of enterprise factories, residential area lighting.

Advantages

- All night lighting the light never be off no matter how many rainy or cloudy days.
- The light can be installed from Equator area to Polar regions , The working temperature is -47 to 70 c.
- Integrated design, modular production and one screw installation.
- 3.2V, low voltage design, safe and reliable.
- integrated package convenient transportation. With LiFePO4 battery, high safety, long lifespan.
- Using high efficiency LED with 50,000 hrs. life span.



Product Technical Parameters

Solar Panel	5V/5W
Light Source	270Lm Common 5W LED
Battery	3.2v/6Ah LiFePO4 battery
Installation Distance	6-8m
Installation Height	-
Installation way	Install on ground
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control

La-GL



• Solar Garden light

It is widely used for the lighting courtyard, housing estate, feature spot, it is easily to be installed, no need to hang wires or dug construction, and even no worry about electric shock and ration of power, energy saving, no electricity bills, longer life span

Advantages

- All night lighting the light never be off no matter how many rainy or cloudy days.
- The light can be installed from Equator area to Polar regions , The working temperature is -47 to 70c.
- Integrated design, modular production and one screw installation.
- 3.2V, low voltage design, safe and reliable.
- integrated package convenient transportation. With LiFePO4 battery, high safety, long lifespan.
- Using high efficiency LED with 50,000 hrs. life span.



Product Technical Parameters

Solar Panel	5V/30W
Light Source	1080Lm Common 16W LED
Battery	3.2v/20h LiFePO4 battery
Installation Distance	15-20 m
Installation Height	3-5 m
Installation way	Install on ground
Lighting Time	All night lighting

Sm-GL

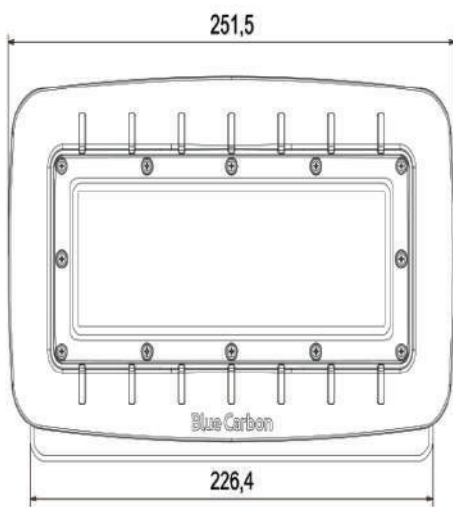


• Solar Flood Light

Mainly used for home lighting, buildings' exterior wall night lighting, landscape beautifying lighting, outdoor billboard lighting, environmental protection.

Advantages

- It is widely for home lighting, streets and roads,
- 2easy to install, energy saving,
- no need to pay electric fee,
- 4longer life span.



unit: mm
Product Size

Product Technical Parameters

Solar Panel	5V/30W - 5V/50W
Light Source	840Lm - 2400Lm 3.2v/50Ah LiFePO4 battery
Battery	3.2v/20Ah LiFePO4 battery
Installation Place	indoor and outdoor
Usage	Lighting or build the effect
Installation way	Install on the ground, Pole, post or wall
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control

Re-Fl



• Solar Flood Light

Mainly used for home lighting, buildings' exterior wall night lighting, landscape beautifying lighting, outdoor billboard lighting, environmental protection.

Advantages

- It is widely for home lighting, streets and roads,
- easy to install, energy saving,
- no need to pay electric fee,
- 4longer life span.



It is widely used in home lighting, streets and roads, residential areas, scenic spots, parks,squares, private gardens and other public places, also used for night lighting of advertising board, and construction outdoor lighting, easy to install, energy saving, no need to pay electric fee, longer life span.

Solar Panel
5V/36W
Voltage/Power

Battery
3.2V/20Ah
Voltage/Capacity

Light Source
1500Lm
Lumen/Flux

Lens
With PC outdoor optical lens,
high light transmittance.

Wa-FI

Product Technical Parameters

Solar Panel	5V/12W - 5V/50W - 5V/120W
Light Source	600Lm - 2200Lm - 5600Lm
Battery	3.2v/13Ah LiFePO4 battery 3.2v/45Ah LiFePO4 battery 3.2v/80Ah LiFePO4 battery
Installation Place	indoor and outdoor
Usage	Lighting or build the effect
Installation way	Install on the ground, Pole, post or wall
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control



• Solar Flood Light

Mainly used for home lighting, buildings' exterior wall night lighting, landscape beautifying lighting, outdoor billboard lighting, environmental protection.

Advantages

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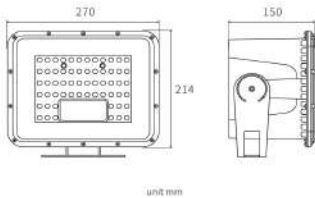
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Solar Panel
5V/30W
Voltage/Power

Battery
3.2V/25Ah
Voltage/Capacity

Light Source
1200Lm
Luminous Flux

Lens
With PT outdoor optical lens,
high light transmittance.



unit:mm

TT-FI

Product Technical Parameters

Solar Panel	5V/30W - 5V/80W - 5V/120W
Light Source	1200Lm common 40 W 3200Lm common 300 W 5400Lm common 500 W
Battery	3.2v/20Ah LiFePO4 battery 3.2v/50 Ah LiFePO4 battery 3.2v/70 Ah LiFePO4 battery
Installation Place	indoor and outdoor
Usage	Lighting or build the effect
Installation way	Install on the ground, Pole, post or wall
Lighting Time	Full power lighting as a first, the rest night lighting is intelligent power control

