



www.HunterKnepsield.com

"Quality Services and Competitive Pricing"



Street lighting solutions and street lamps using advanced solar technology

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Offered by:



www.HunterKnepsShield.com

Solar Street Lights

Solar street lights are well-designed to illuminate large areas with the highest intensity of light. We offer a wide variety of configurations and styles to meet your specific needs. Specifications below are for reference only. The system will be configured according to the environmental conditions of the installation site as well as your specific requirements. Please contact us about customized lighting solutions, including requests for solar lights that last more than 10 hours per night.

Applications

- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting
- Farm & Ranch Lighting
- Wildlife Area Lighting
- Perimeter Security Lighting
- Park Lighting
- Gate Lighting
- Yard Lighting
- Fence Lighting
- Campus Lighting
- Boat Dock Lighting
- Remote Area Lighting
- Military Base Lighting
- Jogging and Bike Path Lighting

Standard Features

- Solar Panel: over 25 years of power generation capacity, with a 5-year warranty
- LED Light: CREE LEDs provide super-bright light from little power, need simple thermal management, and last up to 50,000 hours, with a 2-year warranty. LED wattage is equivalent to approximately half the wattage of high pressure sodium light.
- Controller: over 8 years of typical operating life, with a 2-year warranty, automatic operation from dusk to dawn or timed ON/OFF operation
- Pole: up to 25 years of long life time
- Battery: 5-7 years of maximum life, with a 2-year warranty

Benefits

- No line voltage, trenching, or metering
- No power outages
- Battery backup for cloudy or rainy days
- Distributed light and power - no single point of failure for enhanced security
- Easy to install with quick connect plugs - less than 1 hour
- No scheduled maintenance for up to 5 years
- No cost of replacing concrete, asphalt or landscaping
- No cost of transformers or meters to be added for electric service
- Qualify for savings from various states and federal taxes and incentives
- No monthly electric bills
- Controlled charging to prolong battery service life
- Long-life PV modules with more than 25 years of power generation capacity
- 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 or 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

1. Solar Street Light (S-SL10)



Specifications

Solar Panel	140W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	30W, individual CREE LEDs, 2175 lumens, 0.3 ~ 2.0 foot-candles on the ground
Pole	16 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 120Ah, gel cell deep cycle battery
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Street Light (S-SL10)

Light Power	15W, 18W, 21W, 30W, 42W, 48W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 16 feet, 20 feet, 23 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 50Ah, 80Ah, 100Ah, 150Ah
Battery Position	Underground, at the foot of the pole

2. Solar Street Light (S-SL11S)



Specifications

Solar Panel	2*120W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	50W, individual CREE LEDs, 3625 lumens, 0.3 ~ 2.2 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 100Ah, two gel cell deep cycle batteries
Working Time	8~10 hours/day, 2~3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Street Light (S-SL11S)

Light Power	50W, 60W
Pole Height	20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	On the top of the pole, on the middle of the pole, at the foot of the pole, underground

3. Solar Street Light (S-SL12)



Specifications

Solar Panel	100W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	23W induction lamp, 2437 lumens, 0.3 ~ 1.5 foot-candles on the ground
Pole	16 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 100Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2~3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Street Light (S-SL12)

Light Power	15W, 23W, 40W
Pole Height	10 feet, 13 feet, 16 feet, 20 feet, 23 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

4. Solar Street Light (S-SL13B)



Specifications

Solar Panel	2*100W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	42W, individual CREE/Bridgelux LEDs, 3045 lumens, 0.3 ~ 2.0 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 80Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Street Light (S-SL13B)

Light Power	28W, 42W, 56W, 70W, 84W, 98W, 112W
Pole Height	10 feet, 13 feet, 16 feet, 20 feet, 23 feet, 26 feet, 29 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

1. Solar Roadway Light (S-SL16)



Specifications

Solar Panel	2*95W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	40W induction lamp, 2500 lumens, 0.3 ~ 1.9 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 80Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Roadway Light (S-SL16)

Light Power	15W, 23W, 40W
Pole Height	13 feet, 16 feet, 20 feet, 23 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole, on the top of the pole

2. Solar Roadway Light (S-SL17Z)



Specifications

Solar Panel	140W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	30W, individual CREE LEDs, 3000 lumens, 0.3 ~ 1.4 foot-candles on the ground
Pole	23 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 120Ah, gel cell deep cycle battery
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Roadway Light (S-SL17Z)

Light Power	15W, 30W, 70W, 96W
Pole Height	10 feet, 13 feet, 16 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

3. Solar Roadway Light (S-SL18)



Specifications

Solar Panel	2*120W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	48W, individual CREE LEDs, 3480 lumens, 0.3 ~ 2.1 foot-candles on the ground
Pole	20 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 100Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Roadway Light (S-SL18)

Light Power	30W, 36W, 42W, 48W
Pole Height	13 feet, 16 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

4. Solar Roadway Light (S-SL19)



Specifications

Solar Panel	2*170W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	Two 36W LPS lamps, 1890 lumens/lamp, 0.3 ~ 1.8 foot-candles on the ground
Pole	20 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 150Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Roadway Light (S-SL19)

Light Power	18W, 26W, 35W, 36W
Pole Height	13 feet, 16 feet, 20 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

1. Solar Parking Lot Light (S-SL48Z)



Specifications

Solar Panel	2*170W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	70W, individual CREE LEDs, 5700 lumens, 0.3 ~ 2.3 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 150Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Parking Lot Light (S-SL48Z)

Light Power	15W, 30W, 70W, 96W
Pole Height	13 feet, 16 feet, 20 feet, 23 feet, 26 feet, 29 feet, 32 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

2. Solar Parking Lot Light (S-SL26)



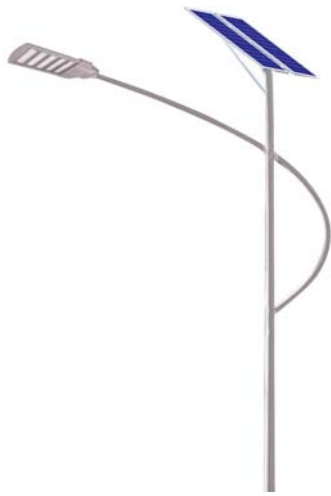
Specifications

Solar Panel	2*130W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	54W, individual CREE LEDs, 3915 lumens, 0.3 ~ 2.2 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 120Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Parking Lot Light (S-SL26)

Light Power	30W, 36W, 48W, 54W, 60W
Pole Height	13 feet, 16 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

3. Solar Parking Lot Light (S-SL50)



Specifications

Solar Panel	440W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	90W, individual CREE LEDs, 5625 lumens, 0.3 ~ 2.75 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	solar charge controller
Battery	12V 200Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Parking Lot Light (S-SL50)

Light Power	30W, 60W, 90W, 120W, 150W
Pole Height	16 feet, 20 feet, 23 feet, 26 feet, 29 feet, 32 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

4. Solar Parking Lot Light (S-SL28K)



Specifications

Solar Panel	2*200W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	84W (two 42W lamps), individual CREE LEDs, 3045 lumens/lamp, 0.3 ~ 2.7 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	solar charge controller
Battery	12V 200Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Parking Lot Light (S-SL28K)

Light Power	Dual-lamp: 48W, 54W, 60W, 72W, 84W; Single-lamp: 24W, 27W, 30W, 36W, 42W
Pole Height	13 feet, 16 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

1. Solar Pathway Light (S-SL21J)



Specifications

Solar Panel	90W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	18W, individual CREE LEDs, 1305 lumens, 0.3 ~ 1.3 foot-candles on the ground
Pole	13 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 80Ah, gel cell deep cycle battery
Working Time	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Pathway Light (S-SL21J)

Light Power	15W, 21W, 24W, 27W, 30W
Pole Height	10 feet, 12 feet, 13 feet, 15 feet, 16 feet, 20 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 50Ah, 80Ah, 100Ah, 150Ah
Battery Position	Underground, at the foot of the pole

2. Solar Pathway Light (S-SL22)



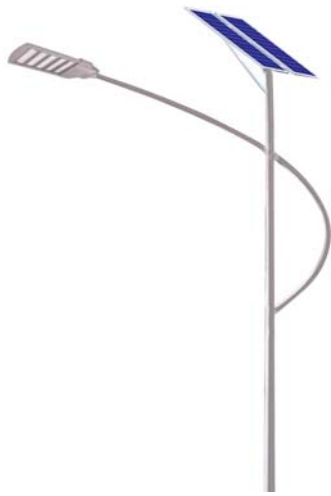
Specifications

Solar Panel	120W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	24W, individual CREE LEDs, 2175 lumens, 0.3 ~ 1.7 foot-candles on the ground
Pole	16 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 100Ah, gel cell deep cycle battery
Working Time	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Pathway Light (S-SL22)

Light Power	15W, 21W, 24W, 27W, 30W, 42W
Pole Height	10 feet, 12 feet, 13 feet, 15 feet, 16 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 50Ah, 80Ah, 100Ah, 150Ah
Battery Position	Underground, at the foot of the pole

1. Super Strong Solar Light (S-SL50-120)



Specifications

Solar Panel	580W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	120W, individual CREE LEDs, 9375 lumens, 0.3 ~ 3.3 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	solar charge controller
Battery	12V 250Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Super Strong Solar Light (S-SL50-120)

Light Power	30W, 60W, 90W, 120W, 150W
Pole Height	16 feet, 20 feet, 23 feet, 26 feet, 30 feet, 32 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

2. Super Powerful Solar Light (S-SL42)



Specifications

Solar Panel	480W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	98W, individual CREE LEDs, 6125 lumens, 0.3 ~ 2.8 foot-candles on the ground
Pole	26 feet high, made of galvanized steel
Controller	solar charge controller
Battery	12V 200Ah, two gel cell deep cycle batteries
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Super Powerful Solar Light (S-SL42)

Light Power	28W, 42W, 56W, 70W, 84W, 98W, 112W
Pole Height	18 feet, 20 feet, 23 feet, 26 feet, 29 feet, 32 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

1. Battery-on-the-top Solar Light (S-SL43)



Specifications

Solar Panel	130W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	27W, individual CREE LEDs, 1957 lumens, 0.3 ~ 1.9 foot-candles on the ground
Pole	16 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 100Ah, gel cell deep cycle battery
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Battery-on-the-top Solar Light (S-SL43)

Light Power	15W, 21W, 24W, 27W, 30W, 36W
Pole Height	13 feet, 16 feet, 19 feet, 20 feet, 23 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 65Ah, 80Ah, 100Ah, 150Ah
Battery Position	On the top of the pole, underground

2. Battery-on-the-top Solar Light (S-GL44J)



Specifications

Solar Panel	100W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	20W, individual CREE LEDs, 1450 lumens, 0.3 ~ 1.6 foot-candles on the ground
Pole	12 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 80Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Battery-on-the-top Solar Light (S-GL44J)

Light Power	20W
Pole Height	10 feet, 12 feet, 13 feet, 16 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 65Ah, 80Ah, 100Ah, 150Ah
Battery Position	On the top of the pole

1. Battery-at-the-foot Solar Light (S-SL15H)



Specifications

Solar Panel	2*140W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	60W (two 30W lamps), individual CREE LEDs, 2175 lumens/lamp, 0.3 ~ 1.8 foot-candles on the ground
Pole	20 feet high, made of galvanized steel
Controller	24V 10A solar charge controller
Battery	12V 120Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Battery-at-the-foot Solar Light (S-SL15H)

Light Power	Dual-lamp: 48W, 54W, 60W, 72W, 84W; Single-lamp: 24W, 27W, 30W, 36W, 42W
Pole Height	13 feet, 16 feet, 17 feet, 20 feet, 23 feet, 26 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 100Ah, 150Ah, 200Ah
Battery Position	Underground, at the foot of the pole

2. Battery-at-the-foot Solar Light (S-SL20)



Specifications

Solar Panel	70W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	15W induction lamp, 1087 lumens, 0.3 ~ 1.1 foot-candles on the ground
Pole	13 feet high, made of galvanized steel
Controller	12V 10A solar charge controller
Battery	12V 65Ah, gel cell deep cycle battery
Working Time	8 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Battery-at-the-foot Solar Light (S-SL20)

Light Power	15W, 23W, 40W
Pole Height	10 feet, 12 feet, 13 feet, 16 feet, 19 feet, 20 feet, 23 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 65Ah, 80Ah, 100Ah, 150Ah
Battery Position	Underground, at the foot of the pole

Wind & Solar Hybrid Lights

Greenshine wind & solar hybrid lighting system is an off-grid outdoor lighting system that eliminates the reliance on power grids that conventional street lighting systems have. Greenshine wind & solar hybrid lights are able to generate power from solar in the day time and power from wind 24/7. They are very cost effective and simple to install.

Specifications below are for reference only. The system will be configured according to the environmental conditions of the installation site as well as your specific requirements. Please contact us about customized lighting solutions, including requests for solar lights that last more than 10 hours per night.

Applications

- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Farm & Ranch Lighting
- Wildlife Area Lighting
- Park Lighting
- Fence Lighting
- Campus Lighting
- Boat Dock Lighting
- Remote Area Lighting
- Military Base Lighting
- Jogging and Bike Path Lighting

Standard Features

- Solar Panel: over 25 years of power generation capacity, with a 5-year warranty
- LED Light: ultra bright LEDs that last up to 50,000 hours, with a 2-year warranty
- Turbine: over 20 years of typical operating life, with a 1-year warranty
- Controller: over 8 years of typical operating life, with a 2-year warranty, automatic operation from dusk to dawn or timed ON/OFF operation
- Pole: up to 25 years of long life time
- Battery: 5-7 years of maximum life, with a 2-year warranty

Benefits

- No line voltage, trenching, or metering
- No power outages
- Battery backup for cloudy or rainy days
- Distributed light and power - no single point of failure for enhanced security
- Easy to install with quick connect plugs - less than 1 hour
- No scheduled maintenance for up to 5 years
- No cost of replacing concrete, asphalt or landscaping
- No cost of transformers or meters to be added for electric service
- Qualify for savings from various states and federal taxes and incentives
- No monthly electric bills
- Controlled charging to prolong battery service life
- Long-life PV modules with more than 25 years of power generation capacity
- 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 or 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

1. Wind & Solar Hybrid Light (SW-SL38)



Specifications

Solar Panel	180W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	42W, 3045 lumens, 0.3 ~ 2.5 foot-candles on the ground
Wind Turbine	200W, blades made of fiberglass reinforced plastic (FRP)
Pole	20 feet high, made of galvanized steel
Controller	wind solar hybrid controller
Battery	12V 100Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Brief Introduction

Wind & solar hybrid light (SW-SL38) is ideal for places where the wind blows almost all the year round at a speed of more than 9m/s, and there are few tall buildings around.

2. Wind & Solar Hybrid Light (SW-SL39)



Specifications

Solar Panel	200W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Source	56W, 5250 lumens, 0.3 ~ 2.4 foot-candles on the ground
Wind Turbine	400W, blades made of fiberglass reinforced plastic (FRP)
Pole	26 feet high, made of galvanized steel
Controller	wind solar hybrid controller
Battery	12V 120Ah, two gel cell deep cycle batteries
Working Time	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Brief Introduction

Wind & solar hybrid light (SW-SL39) is ideal for places where the wind blows almost all around the year at a speed of more than 9m/s, and there are few tall buildings around.

Solar Garden Lights

Greenshine solar garden lights are the perfect way to emphasize to the beautiful landscaping in your garden and they can also serve as a way to brighten up and beautify your surroundings... Besides the elimination of electrical costs, Greenshine solar garden lights are simple to install and easy to maintain. Specifications below are for reference only. The system will be configured according to the environmental conditions of the installation site as well as your specific requirements. Please contact us about customized lighting solutions, including requests for solar lights that last more than 10 hours per night.

Applications

- Street Lighting
- Pathway Lighting
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- Perimeter Security Lighting
- Park Lighting
- Gate Lighting
- Yard Lighting
- Fence Lighting
- Campus Lighting
- Boat Dock Lighting
- Remote Area Lighting
- Military Base Lighting

Standard Features

- Solar Panel: over 25 years of power generation capacity, with a 5-year warranty
- LED Light: ultra bright LEDs that last up to 50,000 hours, with a 2-year warranty
- Controller: over 8 years of typical operating life, with a 2-year warranty, dusk until dawn operation or timed ON/OFF operation
- Pole: up to 25 years of long life time
- Battery: 5-7 years of maximum life, with a 2-year warranty

Benefits

- No line voltage, trenching, or metering
- No power outages
- Battery backup for cloudy or rainy days
- Distributed light and power - no single point of failure for enhanced security
- Easy to install with quick connect plugs - less than 1 hour
- No scheduled maintenance for up to 5 years
- No cost of replacing concrete, asphalt or landscaping
- No cost of transformers or meters to be added for electric service
- Qualify for savings from various states and federal taxes and incentives
- No monthly electric bills
- Controlled charging to prolong battery service life
- Long-life PV modules with more than 25 years of power generation capacity
- 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 or 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

1. Solar Garden Light (S-GL29)



Specifications

Solar Panel	50W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	Two 5W super bright white LED lamps
Pole	11 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 38Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL29)

Light Power	10W, 14W, 20W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

2. Solar Garden Light (S-GL30Y)



Specifications

Solar Panel	40W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	8W super bright white LED lamp
Pole	11 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 38Ah, gel cell deep cycle battery
Working Time	8 hours/day, 3 ~ 4 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL30Y)

Light Power	8W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

3. Solar Garden Light (S-GL31)



Specifications

Solar Panel	35W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	7W super bright white LED lamp
Pole	11 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 24Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL31)

Light Power	5W, 7W, 10W, 13W, 15W, 18W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

4. Solar Garden Light (S-GL32Y)



Specifications

Solar Panel	100W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	Two 10W super bright white LED lamps
Pole	13 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 80Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL32Y)

Light Power	10W, 14W, 20W, 26W, 30W, 36W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

5. Solar Garden Light (S-GL33K)



Specifications

Solar Panel	50W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	10W super bright white LED lamp
Pole	13 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 38Ah, gel cell deep cycle battery
Working Time	6 ~ 8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL33K)

Light Power	5W, 7W, 10W, 13W, 15W, 18W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

6. Solar Garden Light (S-GL34)



Specifications

Solar Panel	70W, monocrystalline or polycrystalline, conversion efficiency: 15%
Light Power	Two 7W super bright white LED lamps
Pole	12 feet high, made of steel
Controller	12V 10A solar charge controller
Battery	12V 50Ah, gel cell deep cycle battery
Working Time	8 hours/day, 2 ~ 3 cloudy or rainy days backup
Wind Resistance	80mph (Please consult with us for higher wind resistant models.)

Options for Solar Garden Light (S-GL34)

Light Power	10W, 14W, 20W, 26W, 30W, 36W
Pole Height	10 feet, 11 feet, 12 feet, 13 feet, 15 feet
Battery	Gel cell deep cycle battery or standard deep cycle battery, 24Ah, 38Ah, 50Ah, 65Ah
Battery Position	Underground, at the foot of the pole

Solar Lawn Lights

Greenshine solar lawn lights are beautiful, rechargeable lawn lights. They feature LED technology for extra-long run times, multiple LEDs for maximum brightness and special reflectors to enhance and distribute light evenly.

Specifications below are for reference only. The system will be configured according to the environmental conditions of the installation site as well as your specific requirements. Please contact us about customized lighting solutions, including requests for solar lights that last more than 10 hours per night.

Applications

- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting
- Farm & Ranch Lighting
- Park Lighting
- Gate Lighting
- Yard Lighting
- Fence Lighting
- Campus Lighting

Benefits

- No line voltage, trenching, or metering
- No power outages
- Battery backup for cloudy or rainy days
- Distributed light and power - no single point of failure for enhanced security
- 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 or meters to be added for electric service
- Qualify for savings from various states and federal taxes and incentives
- No monthly electric bills
- Controlled charging to prolong battery service life
- Long-life PV modules with more than 25 years of power generation capacity
- 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 or 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

1. Solar Lawn Light (S-LL35K)



Specifications

Solar Panel	0.3W, monocrystalline or polycrystalline solar panel
Light Source	0.12W super bright white LED
Battery	Two 500mAh NI-MH batteries
Working Time	More than 8 hours after fully charged
Main Material	Stainless steel
Size	5.12*5.12*19.69 inch
Working Temperature	-20°C ~ 70°C
MOQ	10 pcs

2. Solar Lawn Light (S-LL38K)



Specifications

Solar Panel	0.75W, monocrystalline or polycrystalline solar panels
Light Source	0.24W super bright white LED
Battery	Two 750mAh NI-MH battery
Working Time	More than 8 hours after fully charged
Main Material	Die-cast aluminum
Size	9.46*9.46*24.43 inch
Working Temperature	-20°C ~ 70°C
MOQ	10 pcs

3. Solar Lawn Light (S-LL37Y)



Specifications

Solar Panel	6W, four monocrystalline or polycrystalline solar panels
Light Source	2W super bright white LED
Battery	7.2Ah NI-MH battery
Working Time	More than 8 hours after fully charged
Main Material	Die-cast aluminum
Size	15.75*15.75*29.53 inch
Working Temperature	-20°C ~ 70°C
MOQ	10 pcs