



[www.HunterKnepsield.com](http://www.HunterKnepsield.com)

*"Quality Services and Competitive Pricing"*



**Street lighting solutions and street lamps using advanced solar technology**

Contact Info:

Hunter Knepsield  
[Chris Boone](#)  
10 Hunters Trail  
LaGrange, KY 40031  
502-225-9121 or 800-626-6530  
Fax: 502-225-9335



Offered by:



[www.HunterKnepsShield.com](http://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

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

### Options for Solar Street Light (S-SL10)

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

## 2. Solar Street Light (S-SL11S)



### Specifications

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

### Options for Solar Street Light (S-SL11S)

<b>Light Power</b>	50W, 60W
<b>Pole Height</b>	20 feet, 23 feet, 26 feet
<b>Battery</b>	Gel cell deep cycle battery or standard deep cycle battery, 80Ah, 100Ah, 150Ah, 200Ah
<b>Battery Position</b>	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

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

#### Options for Solar Street Light (S-SL12)

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

### 4. Solar Street Light (S-SL13B)



#### Specifications

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

#### Options for Solar Street Light (S-SL13B)

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

## 1. Solar Roadway Light (S-SL16)



### Specifications

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

### Options for Solar Roadway Light (S-SL16)

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

## 2. Solar Roadway Light (S-SL17Z)



### Specifications

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

### Options for Solar Roadway Light (S-SL17Z)

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

### 3. Solar Roadway Light (S-SL18)



#### Specifications

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

#### Options for Solar Roadway Light (S-SL18)

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

### 4. Solar Roadway Light (S-SL19)



#### Specifications

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

#### Options for Solar Roadway Light (S-SL19)

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

## 1. Solar Parking Lot Light (S-SL48Z)



### Specifications

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

### Options for Solar Parking Lot Light (S-SL48Z)

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

## 2. Solar Parking Lot Light (S-SL26)



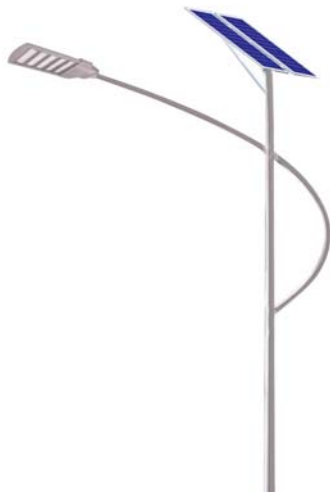
### Specifications

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

### Options for Solar Parking Lot Light (S-SL26)

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

### 3. Solar Parking Lot Light (S-SL50)



#### Specifications

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

#### Options for Parking Lot Light (S-SL50)

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

### 4. Solar Parking Lot Light (S-SL28K)



#### Specifications

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

#### Options for Parking Lot Light (S-SL28K)

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

## 1. Solar Pathway Light (S-SL21J)



### Specifications

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

### Options for Solar Pathway Light (S-SL21J)

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

## 2. Solar Pathway Light (S-SL22)



### Specifications

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

### Options for Solar Pathway Light (S-SL22)

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

### 3. Solar Pathway Light (S-SL51)



#### Specifications

<b>Solar Panel</b>	140W, monocrystalline or polycrystalline, conversion efficiency: 15%
<b>Light Source</b>	30W, individual CREE LEDs, 2175 lumens, 0.3 ~ 2.1 foot-candles on the ground
<b>Pole</b>	13 feet high, made of galvanized steel
<b>Controller</b>	12V 10A solar charge controller
<b>Battery</b>	12V 100Ah, gel cell deep cycle battery
<b>Working Time</b>	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
<b>Wind Resistance</b>	80mph (Please consult with us for higher wind resistant models.)

#### Options for Solar Pathway Light (S-SL51)

<b>Light Power</b>	30W, 50W
<b>Pole Height</b>	10 feet, 12 feet, 13 feet, 16 feet, 20 feet
<b>Battery</b>	Gel cell deep cycle battery or standard deep cycle battery, 50Ah, 65Ah, 80Ah, 100Ah
<b>Battery Position</b>	Underground, at the foot of the pole

### 4. Solar Pathway Lights (S-GL24Y)



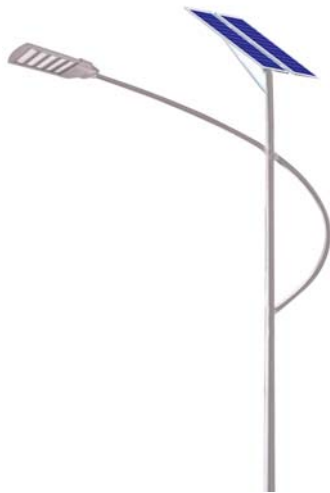
#### Specifications

<b>Solar Panel</b>	70W, monocrystalline or polycrystalline, conversion efficiency: 15%
<b>Light Source</b>	15W, individual CREE LEDs, 1087 lumens, 0.3 ~ 1.2 foot-candles on the ground
<b>Pole</b>	13 feet high, made of galvanized steel
<b>Controller</b>	12V 10A solar charge controller
<b>Battery</b>	12V 65Ah, gel cell deep cycle battery
<b>Working Time</b>	8 ~ 10 hours/day, 3 ~ 4 cloudy or rainy days backup
<b>Wind Resistance</b>	80mph (Please consult with us for higher wind resistant models.)

#### Options for Solar Pathway Light (S-GL24Y)

<b>Light Power</b>	15W, 21W, 24W, 27W, 30W
<b>Pole Height</b>	10 feet, 12 feet, 13 feet, 15 feet, 16 feet, 20 feet
<b>Battery</b>	Gel cell deep cycle battery or standard deep cycle battery, 50Ah, 65Ah, 80Ah, 100Ah
<b>Battery Position</b>	Underground, at the foot of the pole

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



### Specifications

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

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

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

## 2. Super Powerful Solar Light (S-SL42)



### Specifications

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

### Options for Super Powerful Solar Light (S-SL42)

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

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



### Specifications

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

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

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

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



### Specifications

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

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

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

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



### Specifications

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

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

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

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



### Specifications

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

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

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



Offered by:



[www.HunterKnepsShield.com](http://www.HunterKnepsShield.com)

---

## 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

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

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



Offered by:



[www.HunterKnepschild.com](http://www.HunterKnepschild.com)

## 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
- 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

### 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

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

### Options for Solar Garden Light (S-GL29)

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

## 2. Solar Garden Light (S-GL30Y)



### Specifications

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

### Options for Solar Garden Light (S-GL30Y)

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

### 3. Solar Garden Light (S-GL31)



#### Specifications

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

#### Options for Solar Garden Light (S-GL31)

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

### 4. Solar Garden Light (S-GL32Y)



#### Specifications

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

#### Options for Solar Garden Light (S-GL32Y)

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

## 5. Solar Garden Light (S-GL33K)



### Specifications

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

### Options for Solar Garden Light (S-GL33K)

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

## 6. Solar Garden Light (S-GL34)



### Specifications

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

### Options for Solar Garden Light (S-GL34)

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



Offered by:



[www.HunterKnepsShield.com](http://www.HunterKnepsShield.com)

---

## 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

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

### 2. Solar Lawn Light (S-LL38K)



#### Specifications

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

### 3. Solar Lawn Light (S-LL37Y)



#### Specifications

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