



Reliable. Renewable. Remarkable.

PRODUCT CATALOG 2009



**SOLAR LED LIGHTING
SOLUTIONS**

Sol, Inc. Leadership in Solar Lighting for 20 Years

Lighting Powered by the Sun

Off-grid solar lighting systems from Sol, Inc are the Reliable, Renewable, and Remarkable way to light an outdoor space. Whether to enhance security, improve safety or create visibility, solar powered lighting is an economic and green choice for your parking lot, roadway, path, bike trail, billboard, sign, pavilion, bus stop or fence line.

Solar lights are a visible statement of your commitment to the environment by your company, school, city, utility, or transit system.

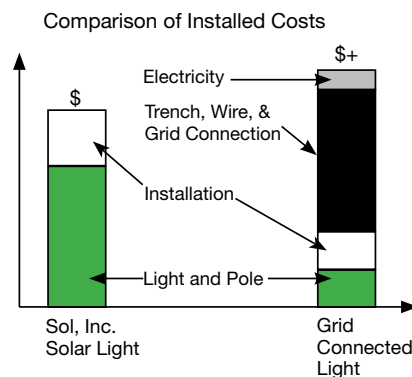
Discover how **20 years** of experience allows Sol, Inc. to lead the industry in technology, support and service.

With advanced LED lighting, optics, and intelligent controls, solar lights have never been brighter or more versatile.

The time has come for solar lighting. Patented, technologically advanced and environmentally friendly, Sol, Inc.'s lights shine brightly at over 38,000 locations world-wide.



Reliable. Renewable. Remarkable.



Grid Parity Now

Solar lighting systems from Sol are often the most **economic way to provide light** in parking lot, pathway, bike trail and perimeter security lighting applications. By avoiding costs of trenching, underground wiring and connections to the electrical grid, solar lighting systems achieve grid parity since they are a renewable energy technology that is deployed at a cost lower than traditionally powered systems. Of course, with a solar lighting system there is never an electricity bill to provide the right light every night.

Sol, Inc. The Solar Light Partner

With an industry-leading **FivePlus™ Warranty**, innovative products and 24/7 technical support, you can rely on Sol, Inc. Our success is our **38,000 installed solar light systems** and a high rate of repurchase from our customers. Customer loyalty is what motivates us.

Additionally, Sol, Inc. is always on the move. We are committed to continual product improvement through our **ISO 9001-2001** system and our in-house applications and innovation engineering teams. Our factory employed field engineers are available for on-site installation and service assistance wherever needed.



Sol, Inc. headquarters and manufacturing facility in Palm City, FL.

Seven Things to Consider Before Specifying or Buying a Solar Light System

1. What is the warranty and what does it cover?

Sol, Inc. is committed to providing an industry-leading warranty that covers critical system components including the pv panel, hardware, pole (if provided), light engine, fixture, wire harness, electronics and battery well beyond the typical two year warranty provided by most electrical system manufacturers. Beware of solar lights with two year warranties and/or companies claiming 15 year warranties that only cover a portion of the solar light system, such as the PV array.

2. Is the manufacturer of the solar light really in the business of solar lighting?

Solar lighting is a rapidly growing business with several distributors or import/resellers entering the business masquerading as manufacturers. The issue? Companies focused on reselling are operating with a minimum investment, which leads to some fly-by-night operations not able to supply technical and warranty support, if at all. Sol, Inc. is a manufacturer committed to solar lighting with 20 years of experience in manufacturing reliable solar lights.

3. Has the manufacturer been in business at least as long as their warranty?

Seems silly to ask, but can you really trust a company to support your warranty claim if their business is two years old? In fact, one big warranty expense could end the business. Sol, Inc. has been manufacturing reliable solar lights since 1990 and provides an industry leading warranty.

4. Is the light system backed by 24/7 technical support?

Solar lighting is a very reliable technology. Sometimes, especially when batteries need replacing, solar lights require service. Will the company proving your solar lights be there to answer your call? Consider when you most need their help, usually at night when lights

are not coming on. Sol, Inc. understands these challenges and for many years has offered free 24/7 technical support. Call any time: 772-286-9461 option 2.

5. Is the Light System configured for your location and your desired operation or is it one-size-fits-all?

Solar lighting is geographically sensitive. How much sun do you get, how rainy is it, will it snow, how long is the longest night...These are all questions Sol, Inc. asks and the answers help us configure a solar light that will work all year long for many years for you. The key though, is that these questions are asked and answered. An example is when customers in northern areas who buy the "standard" end up not having light all night long and experience premature battery failures as well.

6. Are complete technical specifications available?

As a professional solar light manufacturer, Sol, Inc. has complete technical specifications. Sol, Inc. has CSI specifications, technical cut sheets, installation and service manuals, MSDS, and engineering approval for all of our systems.

7. Can the manufacturer provide an independent IESNA LM-79 photometric test report that validates the light's performance?

IESNA LM-79 test reports, performed by a third party testing lab are the lighting industry norms for evaluating how well a light will illuminate a space. In the absence of an independent test report one has to assume that claims of illumination and brightness are not correct. Sol, Inc. has photometric reports for all of its standard light systems and gladly provides additional copies or detailed photometric analyses using our light systems for your project.

Solar Lighting Systems

Solar Powered Lighting from Sol, Inc.

Solar lighting is often the most reliable and economic way to provide light. Sol, Inc.'s solar lighting systems feature design, technology and factory support that is unrivaled.

Outstanding Benefits of Sol Light Systems

- Easy to install since lights arrive as a complete system
- Fast start up: pre-programmed at the factory for desired operating mode and light fixture output
- Quality assured with lights 100% function tested and inspected
- Never change a light bulb with Sol's 70,000 hour life (LM70) LED light engine, over 15 years.
- Minimal call backs since Sol, Inc.'s lights are reliable with over 5 nights of reserve energy to provide light despite inclement weather
- Improved visual acuity with a 5,500K color temperature and minimum CRI of 75
- Efficiently delivers light for most applications via available Type I, II, III and V beam patterns
- Safe and simple to work with because the lights are all low voltage and require minimal field wiring

Quick Delivery

A unique advantage of solar lighting is that it is installed and operational without substantial site preparation work or infrastructure. In fact, installing a solar light system is often the fastest way to bring safety, security, and increased awareness.

Sol, Inc. enhances this feature by providing our Sol QuickShip™ program with several of our solar light systems. In most cases, these systems can be delivered in less than 2 weeks.

The solar light system is part of our QuickShip™ Program, wherever you see this logo:



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Parking Lot Lighting



Oro Valley Park'n Ride
TPM Series see page 11



Indiana Dunes State Park
PM Series see page 12



NASA Employee Lot
PM Series see page 12



Ski Run Marina in S. Lake Tahoe
PM Series see page 12



VA Hospital in Brentwood, CA
PM Series see page 12



National Institute of Standards & Technology
PM Series see page 12



US Senate Washington, DC
PM Series see page 12



Army - Fort Hood
PM Series see page 12



NAS Oceana
TPM Series see page 11

Jogging, Path and Trail Lighting



Travis Air Force Base Jog Track
TPM Series see page 11



Chicago River Trail
PM Series see page 12



Whiskeytown National Recreation
PM Series see page 12



Manatee City Fairground Trail
GreenWay™ see page 10



City of Irving Champion Trail
PM Series see page 12



Victorville, CA Exercise Trail
GreenWay™ see page 10



MCAS Yuma Sidewalk
PM Series see page 12



USMC Parris Island Running Track
PM Series see page 12



South Tower Park Texas
GreenWay™ Series see page 10

Roadway Lighting



NAF El Centro
PM Series see page 12



Lagos, Nigeria, Africa
TSL Series see page 13



USMC Camp Pendleton
PM Series see page 12



USMC Camp Pendleton
PM Series see page 12



NAS Belle Chasse, LA
PM Series see page 12



Guinea-Conakry, Africa
TSL Series see page 13



Litterol Province, Cameroon, Africa
TSL Series see page 13



City of Granjeno, TX
PM Series see page 12



City of Caguas, Puerto Rico
TSL Series see page 13

Shelter and Other Lighting



Lynx Transit Shelter Lighting
Oasys™ see page 15



LA Air Force Perimeter Security
Security Series see page 18



Next Media Shelter Ad
TSAL Series see page 16



Virginia DOT Billboard
Billboard Series see page 22



Pinellas Suncoast Transit Authority
OmniLight™ Series see page 19



LaMar Advertising, Palm Desert
Billboard Series see page 22



External Business Sign
Small Sign Series see page 21



San Mateo County Transit Shelter
TSAL Series see page 16



Backlit Advertising Sign
Small Sign Series see page 21

Area Lighting Systems

Parking Lots, Pathways, Trails, Roadways and Recreation Areas

Sol has a variety of solar powered area light systems. GreenWay™ is appropriate for paths and parks while TPM, PM and TSL series lights are commonly used for parking lots, roadways, and security areas.



GreenWay™ **page 10**

- Trails
- Parks
- Pathways
- Playgrounds



TPM Series **page 11**

- Parking Lots
- Driveways
- Roadways
- Recreation Areas

PM Series **page 12**

- Parking Lots
- Driveways
- Roadways
- Recreation Areas



TSL Series **page 13**

- Roadways
- Parking Lots
- Driveways
- Recreation Areas



- Pathways • Trails
- Smaller Area Lighting

GreenWay™

Ideal for solar powered pathway, trail, playground and recreational area lighting, GreenWay™ is an integrated system with flexible operating modes to light most applications and reduce carbon emissions.



Benefits

- Customized for any pathway and recreation application with adjustable lighting levels and operating modes
- Low profile, attractive system design with single panel and hidden energy storage enclosure
- Appealing color-matched pole, arm, fixture, and solar panel mounting structure
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Quick startup with all parts arriving together; quick connect wiring and minimal hardware assembly
- Easy to install and assemble with provided direct burial aluminum pole and slip-fit system assembly
- Clean lines and finish without visible pole fasteners and invisible mounting hardware



Light Patterns

IES Type I Distribution

Ideal for:

Sidewalk, Pathway, Trail, Bike Path



IES Type V Distribution

Ideal for:

Playgrounds, Picnic Areas



Available Fixtures

Ascot



Shoobox



Colors Available



Bronze



Black



Green



White

Entire solar light system including pole & fixture have matching colors

- Parking Lots • Roadways
- Larger Area Lighting

Top of Pole Mount Series (TPM)

TPM series features a top of pole mounting system for the solar power array. Ideal for parking lot, roadway, jogging track, and area security lighting. TPM series have interchangeable fixtures and arms to provide lighting for many applications.



Benefits

- Optimized for nearly any area lighting application
- Efficient and advanced LED lighting fixtures provide bright, even illumination with wide pole spacing
- Adjustable energy storage array enclosure with locking door for lower mounting heights to increase serviceability
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Quick startup with all parts arriving together; plug and play wiring and minimal hardware assembly
- Innovative Fast-Rack PV system for simplified and more reliable PV panel assembly and mounting
- Mounts on nearly any pole type: Composite, Aluminum, Steel, Wood or Concrete



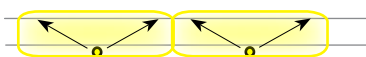
IDA approved dark sky friendly luminaires are available for this series.

Light Patterns

IES Type II Distribution

Ideal for:

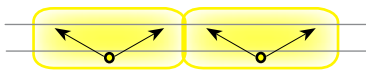
Streets and Wide Paths



IES Type III Distribution

Ideal for:

Roads, Parking Lots, Perimeter Fences



Available Fixtures

Cobrahead



Shoebbox



Colors Available



Bronze



Black



Green



White

Color match is ensured when solar light system (fixture, arms, and energy storage enclosure) and pole are ordered together

- Parking Lots • Roadways
- Larger Area Lighting

Pole Mount Series (PM)

PM series features a fixed angle bracket that mounts on the outside of the pole. Ideal for solar powered parking lot, roadway, jogging track, pathway and area security lighting. The PM series of solar lights have interchangeable fixtures and arms to provide lighting for many applications.

Benefits

- Optimized for nearly any area lighting application
- Efficient and advanced LED lighting fixtures provide bright, even illumination with wide pole spacing
- Adjustable energy storage array enclosure with locking door for lower mount heights to increase serviceability
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Quick startup with all parts arriving together; plug and play wiring and minimal hardware assembly
- Side of pole mounting assembly bolts through most poles and works on many existing poles
- Mounts on nearly any pole type: Composite, Aluminum, Steel, Wood or Concrete



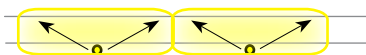
IDA approved dark sky friendly luminaires are available for this series.

Light Patterns

IES Type II Distribution

Ideal for:

Streets and Wide Paths



IES Type III Distribution

Ideal for:

Roads, Parking Lots, Perimeter Fences



Available Fixtures

Cobrahead



Shoebbox



Colors Available



Bronze



Black



Green



White

Color match is ensured when solar light system (fixture, arms, and energy storage enclosure) and pole are ordered together

- Parking Lots • Roadways
- Larger Area Lighting

Tropical Street Light Series (TSL)

TSL series is designed for installations between 10° of the equator or in high wind zones. Ideal for solar powered parking lot, roadway, and area security lighting. TSL features a flat solar power array assembly for ideal solar harvesting in tropical areas or where high wind events occur.



Benefits

- Flexible and customizable for nearly any area and street lighting application
- Optimized for lowest Effective Projected Area (EPA) to withstand hurricane and typhoon winds
- Efficient and advanced LED lighting fixtures provide bright, even illumination with wide pole spacing
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Configured for tropical areas to optimally collect solar energy and tilted minimally to allow rain water run off to self-clean solar panels
- Quick startup with all parts arriving together; plug and play wiring and minimal hardware assembly
- Mounting assembly bolts through most poles
- Mounts on nearly any pole type: Composite, Aluminum, Steel, Wood or Concrete



IDA approved dark sky friendly luminaires are available for this series.

Light Patterns

IES Type II Distribution

Ideal for:

Streets and Wide Paths



IES Type III Distribution

Ideal for:

Roads, Parking lots, Perimeter Fences



Available Fixtures

Cobrahead



Shoebbox



Colors Available



Bronze



Black



Green



White

Color match is ensured when solar light system (fixture, arms, and energy storage enclosure) and pole are ordered together

Shelter Lighting Systems

Shelters are designed as a safe haven, a place to rest, relax, gather, etc. Solar powered lighting systems enhance the appeal and utility of these spaces whether transit shelters, gazebos, pavilions, etc.



Oasys

page 15

- Transit Shelters
- Gazebos
- Comfort Stations

TSAL

page 16

- Transit Shelters
- Kiosks
- Ad Boxes
- Displays



- Transit Shelters • Sheds
- Pavilions • Gazebos

Oasys™

Installed in existing or new gazebos, pavilions, transit shelters, or remote comfort stations, Oasys provides bright, reliable LED lighting.



Benefits

- Flexible and customizable for nearly any area lighting application
- Efficient and advanced LED lighting fixtures provide bright, even illumination for shelters up to 15' x 15'
- Hardened design with tamper proof fasteners and impact resistant LED cover
- Quick test switch with key access
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Quick startup with all under-roof components pre wired and connected, only PV mounting and plug in required
- Mounts in nearly any shelter
- Remote LED light available if main unit is not centrally mounted

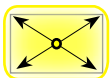


Light Patterns

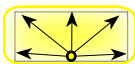
Rectangular Light

Ideal for:

Shelters, Covered Outdoor Facilities



Integrated fixture



Remote mounted fixture

Available Fixtures

Oasys™ LED



Colors Available



Bronze



Black



Green



White

- Transit Shelters • Kiosks
- Backlit Signs • Ad boxes

Transit Shelter Advertising Light (TSAL)

Installed in existing or new transit shelter advertising boxes, stand-alone advertising kiosks, or back-lit signs.

Benefits

- Flexible and customizable for most back lit four by six or larger advertising signs.
- Significantly lower energy usage and maintenance cost of fluorescent light signs.
- Efficient and advanced LED lighting fixtures provide even, bright, white illumination
- Eliminates the “tiger tail” striping often experienced in fluorescent back lit systems.
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Available in 120-240VAC versions for retrofit in existing advertising systems
- Quick startup with all under-roof components pre wired and connected, only PV mounting and plug in required

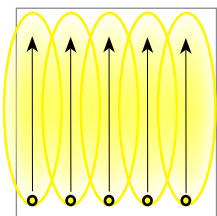


Light Patterns

Back-lit sign light

Ideal for:

Advertising kiosks, transit shelters



Available Fixtures

TSAL
Light Bar



Security Lighting Systems

Solar security lighting is distributed and reliable. Installing a solar powered security light avoids costly trenching to remote sites and is very quickly deployed. Solar lighting is reliable with over 5 nights of energy reserve available.



Aimable Security Light
page 18

- Fences
- Walls
- Perimeter Fences

OmniLight™
page 19

- Bus stops
- Waiting Areas
- Info Signs



- Perimeter Areas
- Fences • Walls

Perimeter Security Fence Lighting

Ideal for providing highly reliable off-grid perimeter security lighting. Aimable for illuminating areas between all types of fence and wall posts, the perimeter security light system is distributed, and hardened against tampering.

Benefits

- Bright, aimable LED lighting fixtures to efficiently illuminate a fence or wall
- Centralized solar panel and energy storage array for simplified wiring and installation
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Quick startup with all parts arriving together
- Lighting fixture mounts directly to a standard electrical box



Light Patterns

Narrow Rectangle

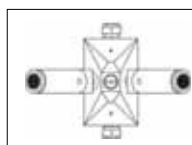
Ideal for:

Fence and Wall Lines



Available Fixtures

Security LED



Colors Available



Bronze



Black

Fixture color only

- Bus stops • Remote wait areas
- Info/Direction stops

OmniLight™

Provides reliable, user controlled bus stop lighting to increase safety, security and comfort. Indicator light and small-area illumination indicate to bus drivers a passenger is waiting.

Benefits

- Fast installation with no PV, battery, controller or accessory wiring required
- Efficient and advanced LED provides bright illumination for stops up to 5' x 5'
- Hardened design with tamper proof fasteners and impact resistant LED cover
- Quick startup with all components pre wired, integrated PV panel; only pole installation required
- Schedule card holder option available



Light Patterns

Circular Light Distribution

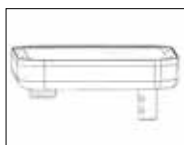
Ideal for:

Bus waiting areas



Available Fixtures

OmniLight



Schedule Holder



Colors Available



Bronze



Black



Green



White



Yellow



Blue

Color match is ensured when solar light system (fixture, arms, and energy storage enclosure) and pole are ordered together

Sign and Billboard Lighting Systems

Solar lighting for signs and billboards is an intelligent and visible symbol of a “green” commitment. Remotely located or within a community, solar sign and billboard lights are economic and environmentally the correct choice.



Sign Lighting Systems

page 21

- Business Signs
- Welcome Signs
- Advertising Signs
- Info Signs

FG ELECTRICAL | Av. Poniente 140 No. 618-B Col. Industrial Vallejo. México, DF | www.fgelectrical.com | Tel. (55) 5118 6566

Billboard Lighting

page 22

- Billboards
- DOT signs
- Large Welcome Signs



- Welcome Signs • HOA Signs
- Office Signs • Advertising

Sign Lighting Systems

Solar powered LED sign lighting systems are a reliable and low cost way to illuminate small welcome signs, HOA signs, medical office, church or advertising signs. Available for both external and internal illumination.

Benefits

- Fast installation with ground-mounted flood light and direct burial cable.
- Programmed and configured prior to shipment to avoid on-site hassles and confusion
- PV and electronics enclosure remote mounts on virtually any pole or mounting rack (supplied by others)
- Bright even sign illumination with patented Sol Quad LED light engine.
- Flood light tilts and mounts directly onto a PVC pipe or threaded conduit run.
- IllumiSign™ lightbar installs directly inside backlit sign with strictly plug-and-play interconnects.



Light Patterns

Circular Light Distribution

Ideal for:

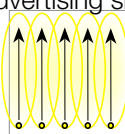
Small signs (4 x 6)



Back-lit sign light

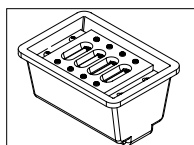
Ideal for:

Advertising sign, transit shelters



Available Fixtures

1Q Flood



IllumiSign™
Lightbar



Colors Available



Bronze



Black

- Billboards • DOT Signs
- Larger Welcome Signs

Billboard Lighting Systems

Solar powered LED Billboard lighting systems are a reliable and low cost way to illuminate large advertising signs.

Benefits

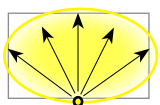
- Fast installation with billboard mounted Floodlights
- Programmed and configured prior to shipment to avoid on-site hassles and confusion
- PV and electronics enclosure mounts on virtually any billboard pole and support system
- Bright even sign illumination with patented Sol Quad LED light engine.
- Q3 LED flood lighter tilts to illuminate the board and mountable directly onto a fixture arm via a knuckle
- LED light output can be configured to provide a more cost-effective solution; turn lights off or dim them down when passing traffic is sparse.



Light Patterns

Rectangular Light Distribution

Ideal for:
Large Billboards



Available Fixtures

3Q Flood



Colors Available



Bronze



Black

Solar Lighting Technology

Solar lighting is often the most reliable and economic way to provide light. Sol, Inc. provides lighting systems that feature design, technology and factory support that is unrivaled.



aiSUN™ Controller
page 24



Light Engines
page 25

**Turtle Friendly
Lighting**
page 26



**Powder
Coating**
page 27



aiSUN™

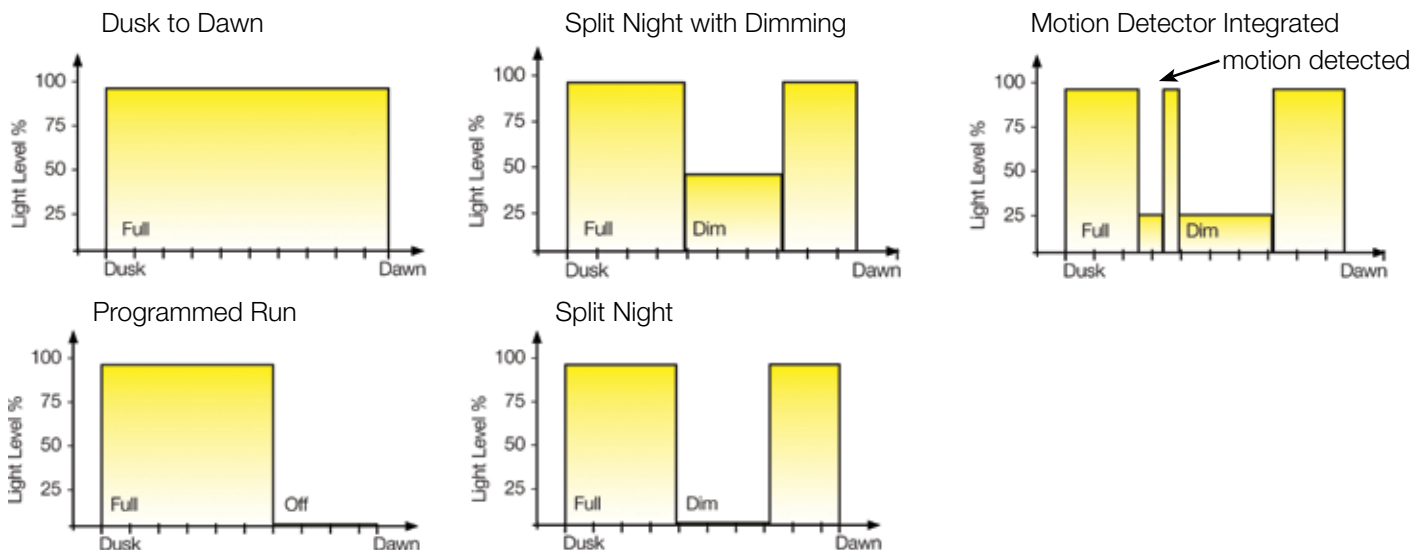
Sol, Inc's proprietary electronic control module for solar lights systems, the aiSUN's powerful microprocessor manages solar charging and driving the LED light engine.

Benefits

- Patent pending operating modes help maximize solar powered light operation for
- Configured and programmed to operate in one of five solar light control modes: (1) Dusk to Dawn, (2) Split Night with Dimming, (3) Split Night, (4) Programmed Run, (5) Motion Detector Driven
- Service free, long life designed for a minimum of 10 years of operation with no electrolytic capacitors and no heat sink due to leading efficiency.
- Integration port for connection of Infrared Controllers, Motion Detectors, Seasonal Switches or Astronomical Time Clocks
- Patent pending advanced energy management for reliable, bright light every night of the year
- Patent pending man-made light detection to prevent solar lights from being spoofed by bright street lights, parking lot lights or building lighting



Operating Modes



LED Light Engines

Sol, Inc's proprietary LED light engines for solar lights systems.

Benefits

- Delivers light efficiently to provide even illumination
- Efficient operation and configuration to maximize the light output capability of the solar energy array and storage system
- Excellent bright white color at 5,500K
- Wide even light distribution allows for wide pole spacing and lower mounting heights.
- Appropriate for most outdoor lighting applications and available in shoebox, cobrahead, and decorative fixtures
- Long life design through conservative operation (70,000 hours LM70): maintain low temperatures, dimming and high frequency operation, and low forward current drive
- Characterized by recognized testing labs with a full suite of .IES files and photometric reports



Light Patterns

IES Type I Distribution

Ideal for:

Sidewalk, Pathway, Trail, Bike Path



IES Type V Distribution

Ideal for:

Playgrounds, Picnic Areas



IES Type II Distribution

Ideal for:

Streets and Wide Paths



IES Type III Distribution

Ideal for:

Roads, Parking Lots, Perimeter Fences



Turtle Friendly Lighting

Ideal for any area application where nesting sea turtles are located or where there are outdoor lighting regulations. Sol's Turtle-friendly amber LEDs brightly illuminate outside a turtle's visual spectrum rendering the light invisible to turtles.

Benefits

- Available with Greenway, TPM, PMV, and TSL series light systems
- Amber LED lighting fixtures provide bright, even illumination with wide pole spacing
- Adjustable energy storage array enclosure with locking door for lower mount heights to increase serviceability
- Patented aiSUN™ control module for dimming and advanced energy management for reliable, bright light every night of the year
- Configurable for nearly every location with a scalable solar power and energy storage array assembly
- Quick startup with all parts arriving together; plug and play wiring and minimal hardware assembly
- Mounts on nearly any pole type: Composite, Aluminum, Steel, Wood or Concrete



IDA approved dark sky friendly luminaires are available for this series.

Light Patterns

IES Type I Distribution

Ideal for:

Sidewalk, Pathway, Trail, Bike Path



IES Type V Distribution

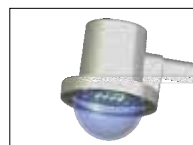
Ideal for:

Playgrounds, Picnic Areas



Available Fixtures

Ascot



Shoebbox



Cobrahead



Powder Coating Systems






Long life solar power LED lighting systems are designed for a long useful life. The powdercoat, or painted finish is no different. Using a highly controlled, environmentally friendly and proprietary process, Sol's systems feature an industry-leading 10 year powder coating warranty.

Benefits

- Environmentally friendly
- Customizable for nearly any color
- Standard colors include White, Black, Green, Blue in gloss finish and Bronze in a matte finish
- Highly scratch resistant
- Excellent weather, UV, and light resistant, superior gloss and color retention.
- Meets A.A.M.A. 2604-98/05, GSB and Qualicoat 2 specifications for impact, bending, hardness, weathering, lightfastness, cross hatch adhesion, color change, gloss retention, humidity resistance (3,000 hour) and salt spray resistance (3,000 hours)
- Applied to achieve a 4 to 7 mil thick coat and impact rating of 160 psf
- All material powdercoated by hand with state-of-the-art paint guns
- Prevents tarnish, rust, patina or other non-desirable finishes for over a decade



STANDARD COLORS

				
Bronze	Black	White	Green	Blue
Sol custom	RAL 9005	RAL 9016	RAL 6028	RAL 5005

Colors shown are for reference only. For color matching please refer to RAL color guide.

Sol, Inc. can provide powder coating for most common colors and many custom colors. Sol, Inc. uses the RAL color system to help eliminate confusion.



Sample color chips for RAL colors

Accessories

Solar lighting is very versatile and many fixture and pole options are available from Sol to complete your system design.



Fixtures
page 29



Poles
page 30

Fixtures

Sol offers an array of LED lighting fixtures that work with many of the solar lighting families shown on pages 4 - 6. Fixtures can be configured and customized for nearly any pole and mounting arrangement. Contact Sol for questions about these or if it is desired to build a solarized version of another fixture.

Area Lights



Ascot



Cobrahead



Shoebox

Decorative



Metro



Acorn

Sol, Inc. has other fixture types and styles that are not shown. Whether as a special request or as a completely new custom fixture, Sol works directly with customers to provide many additional fixtures. Contact us to learn more.

Security Lights



Dual UniLight



Oasys™



OmniLight™

Floods



1 Quad



3 Quad



IllumiSign™

Poles

Sol provides solar light systems. In most cases our solar lights are mounted to poles. In an effort to provide seamless installation and delivery, Sol offers a wide variety of poles. Although not the direct manufacturer of the pole, Sol has partnerships with leading pole fabrication companies to provide a variety of reliable poles.

Engineered Composite

12 to 30 feet of overall length

Direct burial

Bolt down

Standard Sol colors available

Available with 3.5" tenon

Why chose Composite: light weight, high strength composite poles are easy to ship and install. Due to their strength and fast construction method they are ideal for solar lighting. Composite poles are excellent for installations near coasts since they will not rust or corrode.



Aluminum

12 to 30 feet of overall length

Direct burial

Bolt down

Standard Sol colors available including satin

Available with 3.5" tenon

Why chose Aluminum: fairly light weight, high strength aluminum poles are fairly easy to ship and install. Aluminum poles are typically round and tapered and widely available.



Steel

12 to 30 feet of overall length

Direct burial

Bolt down

Standard Sol colors available

Available with 3.5" tenon

Why chose Steel: very strong pole available in round, square, straight or tapered and galvanized or painted to nearly any color. Typically bolted down and mounted on a pedestal, steel is reliable, widely-used pole type.



Concrete

12 to 30 feet of overall length

Direct burial

Color Gray Concrete Only

Available with 3.5" tenon

Why chose Concrete: designed for extremely high weight and EPA loading, Concrete poles are preferred in high-wind loading areas that are especially prone to cyclonic storms.



Sol, Inc. Limited “Five Plus” Warranty Rev 8/09

Sol, Inc. is an ISO 9000-2001 certified worldwide manufacturer that designs and manufactures our own products (vs. simply reselling or distributing other manufacturer's products). Even though the best scenario involves never having to actually use a company's warranty, we are proud to offer what we believe is in fact the BEST WARRANTY available in the industry, from a company that has been in business since 1990.

Sol, Inc. warrants the Owner (defined as the entity that has final title to the goods) of each new Sol lighting system to be free from defects in materials and workmanship and to perform under normal use and service. Sol will, at its option, repair or replace any system or system component that is defective in materials or manufacture within a minimum of five (5) years after purchase. Additionally, specific items within Sol's system have extended warranty protection against failure as defined below:

Item	Period
Solar PV Panel	20 Years
Mounting Hardware	20 Years
Pole (if provided)	20 Years
LED Light Engine (Lamp)	10 Years
LED Luminaire (Fixture)	10 Years
Wire Harnessing	10 Years
Electronics (Charge controller, LED driver)	10 Years
Energy Storage Array (Battery)	5 Years*

*Batteries provided by Sol, Inc. have a limited warranty providing for battery replacement (batteries must be provided by Sol, Inc.), from the date of shipment, with the following pro-rated coverage:

- 0 to 2 years: 100% credit (user pays 0% of the replacement battery price)
- 2 to 3 years: 60% credit (user pays 40% of the replacement battery price)
- 3 to 4 years: 40% credit (user pays 60% of the replacement battery price)
- 4 to 5 years: 20% credit (user pays 80% of the replacement battery price)

Sol, Inc.'s liability on any claim for damages arising out of or in connection with the manufacture, sale, installation, delivery or use of the unit shall not exceed the purchase price of the system. The purchaser assumes and will hold harmless Sol, Inc. in respect of all such loss.

For warranty service on Sol products please contact Sol, Inc. for a Return Material Authorization (RMA) number by calling +1 (772) 286-9461. Any products or components that are returned to Sol, Inc without first obtaining a RMA may not be issued any credit, and Sol, Inc. shall not be responsible for said items.

This warranty does not cover damage or malfunction, as determined by Sol, Inc's service technicians or engineers, due to abuse, misuse, incorrect installation, or accident such as, but not limited to:

- Use of incorrect mounting hardware
- Failure to follow operating and installation instructions provided by Sol, Inc
- Failure to maintain & operate the equipment in accordance within all applicable standards & codes
- Failure to maintain & operate the system under Sol's specified operating conditions
- Vandalism or theft
- Fire, flood, "Acts of God", and other problems beyond the control of Sol, Inc.
- Unauthorized or improper repairs or adjustments
- Labor costs to remove, service, troubleshoot, and install all or part of Sol, Inc. systems, unless previously agreed to and authorized IN WRITING by Sol, Inc. by either the Customer Care Manager, Quality Manager, or CEO
- Equipment service, rental, and or tools required to remove, service, troubleshoot, and reinstall all or part of Sol, Inc. systems, unless previously agreed to and authorized IN WRITING by Sol, Inc by either the Customer Care Manager, Quality Manager, or CEO
- Components and equipment external to the Sol, Inc. system
- The cost of repairing or replacing property other than the Sol, Inc. system
- Equipment not provided by Sol, Inc.

The use of any replacement parts (for any reason) including but not limited to electrical components, luminaires, or batteries NOT provided by Sol, Inc. voids this warranty. This warranty is in lieu of all other expressed warranties and the implied warranty of merchantability is limited to terms of this written warranty. This warranty grants you specific legal rights, and you may have other rights which vary based on your location.

Contact Sol, Inc.

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Follow us on Twitter™
www.twitter.com/sol_inc



Reliable. Renewable. Remarkable.

Make Money With Solar Lighting

Solar lighting is reliable, renewable and remarkable. Sol, Inc has developed a training and business development program for those who wish to build an enterprise around selling our solar powered lighting systems. Our pioneering Solar Lighting Solutions Professional (SLSP) programs are helping many savvy entrepreneurs grow a green business. To learn more please contact our Customer Service team at 772.286.0663



Plant Tours

Sol is glad to host visitors, tours and other events at our facilities to help increase the awareness of the benefits of Solar Lighting. To schedule a visit or to learn more about Sol, please contact our Customer Service team at 772.286.9461

Specifications may be subject to change.

Sol, Inc. assumes no liability for third-party products and services used in the installation of this product and work performed by third-party service providers. Purchasers are advised that the security and strength of any product installation will be dependent upon the type of pole on which the product is mounted, the footing, the fasteners and materials in fixing the product to the pole and site conditions.