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(847) 952-1066

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Solar Power Street Lighting Solutions

Protecting facilities, people and assets is increasingly important. Fences, walls and borders are often a long distance from established electrical systems. Wireless lighting is the most cost effective way to illuminate perimeters. Cost prohibitive electrical trenching and complicated logistics makes solar powered LED security lighting the intelligent first choice.



LED STREET & SECURITY LIGHTING

Solar powered LED lighting and solar powered security lighting is ideal for many military, transportation, shipping, warehousing, dock, university and fence lighting challenges.

ENHANCES SECURITY

- Lighting discourages crime, vagrants, and mischief, around and along property lines.
- Bright white lights makes it easier for police/security officials to see
- Coupled with motion detection technology, solar powered lighting is a powerful first-level deterrent for vandalism, theft, and mischief

PEACE OF MIND

- Vandal resistant hardware
- LED lighting is vibration and shock resistant. It turns on without warm-up or flickering even in extreme conditions (-40 to 140 degrees)
- Works every night – battery backup for cloudy days

Solar Power Lighting Solutions

Solar powered lighting is an economic, reliable, and environmentally responsible way to provide lighting near or along security lines or roadways.

ECONOMIC

- Wise Power Systems Solar LED security lighting solutions are the most economic way to enhance the security of all types of walls, fences, gates, and other security applications. In many cases the installation of a solar lighting system along a remote fence line is the lowest cost way to improve security.
- Compared to utility-connected lighting, our solar lighting systems avoid costs associated with cabling and trenching, transformers, permits, utility bills and service charges.

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Solar Power Street Lighting Solutions

ECONOMIC – *Continued*

- Our solar lighting installs in most locations without costly wiring and grid connections
- Our solar powered lighting uses energy stored in batteries to provide bright white light – it is immune to power failures, brown outs or electrical switch gear break down
- And, there are no utility bills since the sun provides the energy.

RELIABLE

- Wise Power Systems solar LED lighting systems are built with sturdy, corrosive and vandal-resistant aluminum and stainless steel hardware. LED lights are protected with polycarbonate lenses. LEDs, AGM™ batteries, and associated hardware are protected via an industry-leading FivePlus™ year warranty that includes 25-year limited warranty on the solar panels.
- Our systems are easy to install in most locations without grid connection and are not susceptible to power outages. There is no trenching, cabling, wiring, meters, electrical systems installation costs or utility headache. Wise Power Systems' proprietary energy management technology provides a minimum 4-night backup in case of inclement weather to ensure bright, reliable illumination.
- Wise Power Systems' proprietary LED lighting technology lasts for a minimum of 65,000 hours (L70), with no light bulb replacements required.
- And, since solar lighting is a distributed power source, it does not have a single point of failure.

ENVIRONMENTALLY RESPONSIBLE

- Wise Power Systems lighting systems are the sustainable choice to reduce your carbon footprint. LED security lighting from Wise Power Systems Inc. uses the renewable energy from the sun to store electricity to power ultra-efficient LEDs. This approach requires no connection to the electrical grid and no emissions of CO₂ to provide light. Wise Power Systems Inc.'s LED technology features cutting edge optical designs with our D2 dimmer bright light with a long and reliable service life.
- Solar powered lighting emits no CO₂ or other hazardous gasses to provide efficient light.
- Solar LED lighting contains no mercury or other hazardous material.

ABOUT WISE POWER SYSTEMS INC.

Wise Power Systems Inc. is the leading manufacturer of commercial-grade solar powered off grid and grid tied lighting solutions for parking lots, pathways, streets and roadways, signs and billboards, shelters and landscapes, telecommunication systems, village, microgrids, homes and businesses.

Since 1996 Wise Power Systems Inc. has introduced innovative, reliable and cost-effective solar lighting systems that provide unsurpassed levels of illumination and reliability. Wise Power Systems Inc. has a distributor network in over 6 countries on 3 continents.

Wise Power Systems Inc. will be a ISO9001: 2012 certified and committed to superior design, manufacturing, and customer satisfaction.



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CONFIGURATIONS AVAILABLE

LED Luminaire	Battery Box	Driver Load	Battery / Amps	Mount	Panel /Power	Arm
Number of Luminaires 2 Single Panels 4 Dual Panels 6 Dual Panels Luminaire Type CD Cobrahead Dome 56W CD Cobrahead Dome 112W CD Cobrahead Dome 112-56W	Fiber Glass Steel Stainless Steel	Morningstar Wise Controller MPPT Quad 150 Watts 225 Watts Custom Load	Battery Box Double Non-Locking High Total Amps 100 Ah 140 Ah 280 Ah 420 Ah	Locking High Locking Low Panel Power Non-Locking Low Below Grade Top of Pole Mount Side of Pole Mount	No. of Panels 1 2 3 4 100W 125W 200W 300W 400W	00 None 04 4'UA 06 6'UA 08 8'UA 10 10'UA 15 15'UA S1 6" static S2 12" static S3 24" static MA Metro BH Bull Horn
IMPORTANT: Driver, Load, Batteries, Panel Power & Hours of Operation requirements to be determined by Wise Power Systems, Inc. Based on your project requirement, please consult Wise Power Systems, Inc.						



Optics – (not shown) High lumen LEDs rated at 65,000 hours (L70). IES Type II available in Quad configuration. Shoebox also available in 48 discrete LED configuration. Various models qualify as IES full cutoff and IDA Dark Sky certified. Efficient, bright, white light source of 5,000K provides uniform light distribution.

Panel Mount – Grade “A” corrosion resistant aluminum or stainless steel frame supports solar panel and battery enclosure. Allows for proper orientation of solar array.

Solar Panels – Poly-crystalline or mono-crystalline photovoltaic module in single, dual, or quad configuration. PV limited warranty by solar panel manufacturer for 25 years.

Battery Enclosure – Vented Grade “A” corrosion resistant aluminum or stainless steel unit holds battery and smart controller. Hinged cover features optional locking device for additional security.

Battery – Maintenance-free 100% recyclable 140Ah rated sealed gel cell battery provides a minimum of 4 nights of battery back-up. Mounted inside of hinged battery enclosure for ease of maintenance.

Controller – An LED driver with an integrated solar charge controller that monitors and regulates charging and discharging of batteries as well as controlling and dimming of LED luminaire. Programmable to control hours of operation and light level requirements. Accessible through hinged battery enclosure cover.

Arm – 2 foot static arm shown. Universal arm, Metro Arm, and Hull Horn and 90°Sweep arm available. Made of Grade “A” corrosion resistant aluminum. Holds luminaire for proper positioning of light. Secured to pole through two thru bolts.

Pole – System mounts on standard pole with tenon – square or round fiberglass, steel, aluminum or concrete available.

Warranty – 5 years on electronics, wiring, fixture and 20 years on mounting hardware and solar panel.



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SOLAR PANEL SPECIFICATIONS

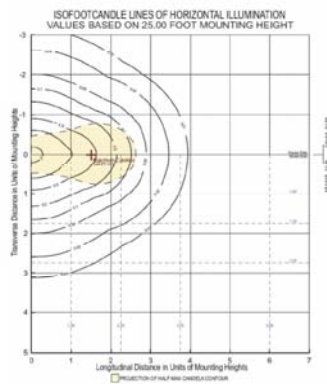
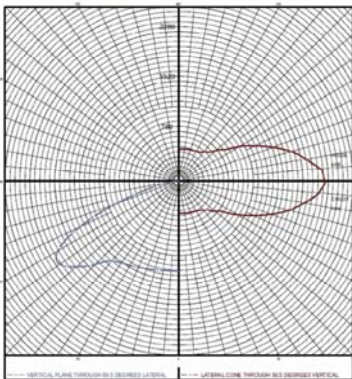
Solar Panel		Dimensions – Length x Width x Height		System Weight (INCLUDING POLE)		Pole Tenon Size
		in.	mm.	lbs.	kg.	
1 x 200 Watts	200 Watts	62.2" x 31.8" x 1.6"	1580 mm x 808 mm x 40 mm	249	113.1	6" / 3.5 O.D.
2 x 100 Watts	200 Watts	40.8" x 41.4" x 1.38"	1037 mm x 1054 mm x 35 mm	262	119.3	6" / 2.5 O.D.
3 x 100 Watts	300 Watts	40.8" x 62.1" x 1.38"	1037 mm x 1581 mm x 35 mm	279	126.6	6" / 3.5 O.D.
2 x 200 Watts	400 Watts	62.2" x 63.6" x 1.6"	1580 mm x 1616 mm x 40 mm	301	136.6	6" / 3.5 O.D.
4 x 100 Watts	400 Watts	40.8" x 82.8" x 1.38"	1034 mm x 2108 mm x 35 mm	312	141.6	6" / 3.5 O.D.

System weight and EPA may vary with number of fixtures and batteries. The chart above is for reference only. Wise Power Systems, Inc. provides calculated EPA and weight when a system is quoted and submitted. Solar panel configurations may vary slightly by manufacturer.

REPLACEMENT LIGHTS (LIGHT EQUIVALENT)

56 Watt	2 Panels	250 Watt — Metal Halide	175 Mercury Vapor
112 Watt	4 Panels	400 Watt — Metal Halide	250 Mercury Vapor

56 Watt LED Street Light



112 Watt LED Street Light

