CATALOGUE 2023

SELS

SMART ERA LIGHTING SYSTEMS

SELS

SMART ERA LIGHTING SYSTEMS

www.SELSsolar.com

CONTACT US
(704) 495-3535 | (704) 461-1818
info@SELSsolar.com

www.SELSsolar.com

The beach-side road of Benjamin Franklin Dr in Lido Key, FL is beautifully lit with 346 LED lamps that are not just energy efficient but also sea turtle safe. These lights are powered by SELS highly efficient ST-Series, making it a perfect choice for environmentally conscious communities.
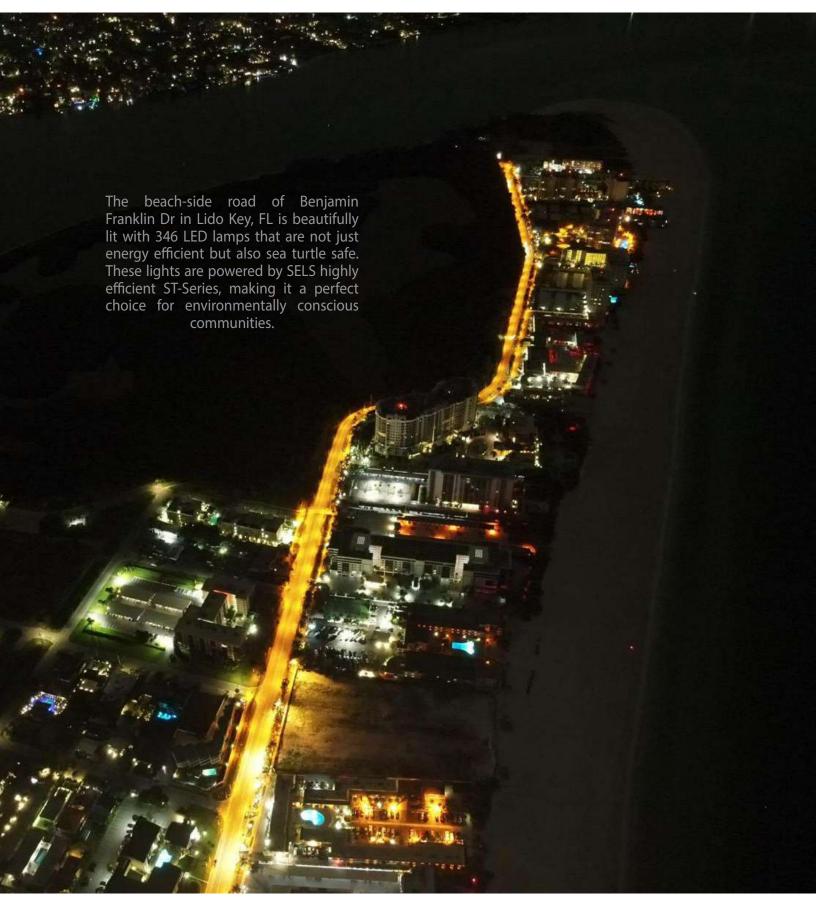
ABOUT SELS OUTDOOR LIGHTING
SMART ERA LIGHTING SYSTEMS

SELS is proud to present a collection of engineered and stylish commercial-grade solar powered products optimized for roads, commercial properties, recreational areas, and customers that are thinking forward to sustainable solutions and a greener world. Our proven designs provide lighting, power, Wi-Fi, surveillance, and other site amenities in an environmentally friendly package for all those areas where minimal disruption to the natural environment is desired.

We deliver on this by eliminating the damage and labor costs associated with digging trenches to run electrical wires and the expense of being hooked up to an electrical grid. Our products use cutting edge technology and custom engineered power storage making them both reliable and efficient year-round.

From urban to rural parks, roads to trails, transit authorities to commercial properties, our team is here to help you by engineering the solutions best suited for your needs giving you the style you want and solar powered solution you need while together pursuing a cleaner, greener world.

Our team of solar experts will collaborate with you to design a customized solution that meets your energy needs while incorporating the lighting and aesthetic elements you desire. With **SELS** solutions, you will not only benefit from a more reliable source of power but you will also be doing your part in promoting a greener and cleaner planet.

Our solar-powered products are designed to meet the needs of a variety of environments, from commercial properties and transit authorities to outdoor recreational areas and off-grid communities.

SELS versatile and efficient products can also be used in a variety of other settings, such as
- Roads & highways
- Commercial Parking Lots
- Pathways and Walkways.
- Parks and Recreational areas
- Transit Authorities
- Hiking, and Outdoor Adventure Trails.
- College and University Common Areas.

Our commitment to quality is evident in all of our products, which have been engineered and designed with careful consideration and tested in installations around the world. Our Solar LED Outdoor Lights are the ideal lighting solution for streets and roads, offering an efficient and stylish alternative to traditional grid-connected systems.

We stand behind the reliability and durability of our products, providing a 5-year limited warranty with the option to upgrade to a 12-year full warranty. This means that once your system is installed, you can enjoy maintenance-free lighting with the peace of mind that comes with our comprehensive warranty.

WHY SELS SOLAR?

Low energy costs
Solar powered **SELS** products generates power and light at 0% cost to the consumer.
Low maintenance
Our systems are designed with quality in mind, translating into durability and low maintenance after installation.
Zero-emissions
Perhaps the greatest benefit of solar powered systems are a neutral effect on the environment, providing a free source of energy which does not contribute to global warming.
Renewable resource
Solar power is an important source of renewable energy. Other energy sources such as coal and oil have finite supplies. Yet the sun will keep on shining potentially beyond human existence.
Risk
With solar lighting, there is no risk of electrocution and the lamps are cool to the touch, making them safe for children and pets.
Power outage
Not being connected to an electrical grid means that these lights will continue to work even if there has been a power outage.
Versatility
At **SELS**, our solar lights offer a versatile lighting solution that can be installed in a variety of locations, without the need for electrical wiring. This makes them a practical, clean, and cost-effective alternative to traditional grid-connected lighting systems.
Easy Installation
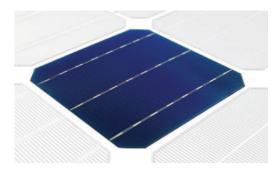All our Solar systems were designed with our customers in mind, making installation a breeze.

ABOUT SELS OUTDOOR LIGHTING
SMART ERA LIGHTING SYSTEMS

At **SELS**, we view our products as mini power grids that provide a self-sufficient and reliable source of clean energy. Our solar systems are designed to deliver high-performance engineered solutions to be maintenance-free, with a 5-year warranty included.

Going off-grid with **SELS** means you can save on energy costs and eliminate the risk of power outages, as our products generate their own energy and are not dependent on the electrical grid. Additionally, our products may be eligible for tax incentives and discounts, making them an even more attractive option. Safety and ease of installation are paramount in the design of our products, and our systems can be installed quickly and without the need for trenching or complicated wiring. All **SELS** products use low-voltage direct current and come with easy-to-follow instructions, so even a general contractor can complete the installation process without needing an electrician.

SELS TECHNOLOGY & DEVELOPMENT

We know you have a choice, that's why **SELS** develops off-grid solar systems to perform as effectively as wired systems with no compromise in performance. So what are you waiting for? Come into the Smart Era.

+ **−**

Deep discharge kills batteries. **SELS** batteries never discharge fully maximizing battery

SELS designs all its products as integrated lighting systems to ensure all parts work together making for long life and reliable performance

A **battery's longevity** depends on its charge level day-to-day, A battery will last longer if it is recharged to

4

SELS solar lighting systems use critical engineering criteria to ensure 4+ days of autonomy

Battery sizing is considered with the total system to ensure minimal discharge

22%
PV efficiency and adequate battery storage ensure reliable performance all night, every night

We utilize VRLA and Lithium Batteries in our systems, depending on the use of each product.

100%

The energy collected by the batteries trough **the solar panels** always exceed the amount spent by the luminaire

SELS ENGINEERED SYSTEMS

ELECTRICITY COSTS ARE HIGH	STREET LIGHTS	NEW CON-STRUCTIONS	UNDERGROUND UTILITIES FAILING
PARK LIGHTING	REMOTE SITES	PATHWAYS	PERIMETER LIGHTING
CAMPING AREAS	TRAIL LIGHTING	DARK SPOTS	PARKING LOTS

ENDLESS POSSIBILITIES

Initial Installation Costs are 38% of Conventional Lights	Long Component Lifespan	Reduce Long Term Operational Costs	Recyclable Batteries Over 2000 Cycles	Self Cleaning Panels Up to 20 Years Lifespan	LED Luminaires up to 100000 Hrs of Operation
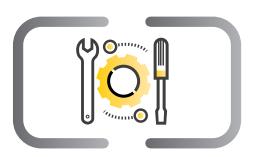
Is it worth going solar?

Electricity   Solar

LOWER ELECTRICAL COSTS

LOWER INSTALLATION COSTS

CO2

LEED
U.S. GREEN BUILDING COUNCIL
USGBC

REDUCE YOUR CARBON FOOTPRINT

TAKE ADVANTAGE OF RENEWABLE REBATES AND LEED CREDITS

DIMINISH YOUR IMPACT TO THE ENVIRONMENT

SELS ENGINEERED SYSTEMS

Photovoltaic Solar Resource of the United States

kWh/m²/Day

> 6.5
6.0 to 6.5
5.5 to 6.0
5.0 to 5.5
4.5 to 5.0
4.0 to 4.5
3.5 to 4.0
3.0 to 3.5
< 3.0

Annual average solar resource data are shown for a tilt = latitude collector. The data for Hawaii and the 48 contiguous states are a 10 km satellite modeled dataset (SUNY/NREL, 2007) representing data from 1998-2009.

The data for Alaska are a 40 km dataset produced by the Climatological Solar Radiation Model (NREL, 2003).

This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.
Billy J. Roberts
19 September 2012

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

EVERY PRODUCT IS A SYSTEM

Let our solar lighting engineers develop the ideal solution for you. Whatever the application, we have a product to fit any style or location. **SELS** designs and manufactures all of our products to ensure maximum power collection. Because every product is a system, we design all components to work together to ensure no outages and no compromise in performance. Reliable, fully-autonomous operation, all night, every night. That's the **SELS** promise.

SELS ENGINEERED SYSTEMS
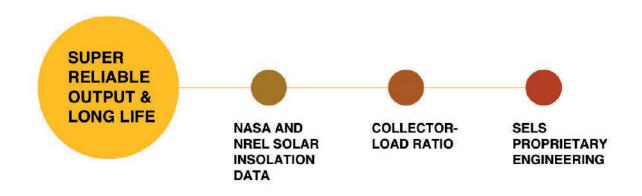
We account for the worst- case power collection scenario to guarantee operation 365 days a year.

SELS customizes your product specifications to protect the system from failures.

From full-adjustability based on project location to custom sizing of solar panels, battery, and power management parameters, **SELS** provides the highest performance solar systems in the industry.

We rely on data compiled over decades by the US Department of Energy's National Renewable Energy Lab's (NREL) Solar Radiation Database (NSRDB) derived from at least 15 years of data.

Your system design considers temperature, angle of solar panel relative to the horizon, direction of panel relative to the polar azimuth, and all system parameters to ensure reliable operation year-round.

SUPER RELIABLE OUTPUT & LONG LIFE

NASA AND NREL SOLAR INSOLATION DATA

COLLECTOR-LOAD RATIO

SELS PROPRIETARY ENGINEERING

SELS
SMART ERA LIGHTING SYSTEMS

STREET LIGHT
ST SERIES

LIT. 2022 WINNER
LIGHTING DESIGN AWARDS

MADE IN USA

SELS flagship product, the ST-Series is a municipal-grade solar street lighting system offering a robust and reliable stand-alone solar lighting solution that is perfect for road and park lighting and ideal for any location.

Capable of producing enormous power, our patented design features semi-flexible PV Modules offering unequaled strength, reliability, and power conversion. The housing, constructed with the highest quality flexible and impact-resistant ABS, allows the ST-Series to withstand high winds and heavy snows with ease. We ensure a reliable system with our smart charging, lighting control, and networked connectivity option.

Available Features with ST-Series

Fully Programmable
Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting
Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Security Surveillance
Utilize our patent pending camera design system to keep your property safe.

Product Color Customization

Potential Configuration of ST-Series lighting System

LED Lighting

Lamp Arm (Customization available)

Secondary LED Lighting

Double Panel Assembly

Stainless Steel Battery Enclosure

PV Module	• ETFE-coated semi-flexible Maxeon PV modules. • High-efficiency monocrystalline cells. • Patented design dissipates vibration and reduces high wind hazards.
LEDs and Optics	• 100000 hour L70 lifetime rating. • High output CREE LEDs. • Wide range of color temperature options available. • Up to 26,000 lumen output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) and Design Lights Consortium (DLC) compliant fixtures.
Material Construction	• Structural aluminum, steel, and stainless steel options. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.
Design	• ST models are designed based on your project needs and specific location.
Battery Power Storage	• High Performance LiFePO$_4$ and Gel VRLA for extreme life-cycle. • Cycle life over 2500 times, up to 7 days of Autonomy. • High temperature range tolerance, cold weather battery options.

ST SERIES

Covered Structural
Base Storage

Pole Mounted
Enclosure

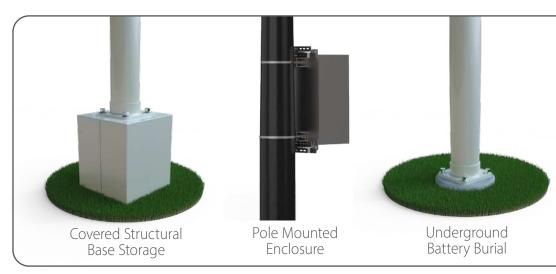Underground
Battery Burial

Battery storage options from SELS Solar.

We offer 3 different battery storage options: covered under pole storage, pole mounted enclosures, and underground battery burial. Each of these options has unique strengths for unique projects. During the sales process, we will work with you to determine how to best support your project's specific needs.

PHILIPS

CREE ⇌ LIGHTING
A COMPANY OF *IDEAL INDUSTRIES, INC.*

VISIONAIRE *L I G H T I N G*

Lighting options from SELS Solar.

We work with a variety of trusted lighting manufacturers. During the design and engineering process, we work with you to determine the lighting needs for your project. This includes the lighting temperature, intensity, and light distribution. Next, we obtain the appropriate lamp or lighting from our reliable sources to ensure quality and customer satisfaction.

AVAILABLE LIGHTING PROFILE

ST-Series
height range:
12ft - 50ft

ST-Series
Arm Range:
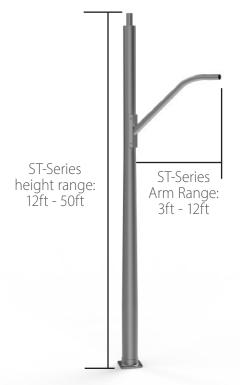3ft - 12ft

ST-Series solar panel options.

We provide two different solar options for generating power with the ST-Series. Each panel is capable of generating 160 watts of power. Combined, offers 320 watts per pole.

A double panel assembly of the ST-Series on display at the beach in Florida, paired with sea turtle-safe LED lighting.

As the sun sets on Clemson's campus, students can enjoy the safety and security of the ST-Series light.

Benjamin Franklin Dr. in Sarasota, Florida fully lit by the ST-Series utilizing sea-turtle safe LED lighting.

AREA LIGHTING
STL PRO SERIES

SELS ultimate integrated Solar Street Light System (STL) is a solar system with an extremely simple installation method compared to traditional grid-powered street light.

Made to the highest standards, **SELS** selected the best components for the highest level of performance and durability.

All system components are housed below the solar panel making the STL a perfect solution for retrofits. Choose from standard Lithium Iron Phosphate or low temperature lithium for an easy solar power system solution in any location or environment.

Product Color Customization

Available Features with STL-Pro

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Security Surveillance

Utilize our patent pending camera design system to keep your property safe.

Structural Extruded
Aluminum Frame

40° Adjustable
Mounting Hilt

Integrated Fully Encased
Water-Proof Battery
Containers

Structural Aluminum Body
Panels

Pole Top
Mounting Bracket

PV Module	• Glass PV Module. • High-efficiency monocrystalline cells. • Aluminum Panel Casing and adjustable panel bracket.	**Design**	• STL models are designed based on your project needs and specific location.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • High output LEDs. • Wide range of color temperature options available. • Up to 18,000 lumen output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) and Design Lights Consortium (DLC) compliant fixtures.	**Battery Power Storage**	• High performance LiFePO4. • Cycle life over 2500 times, up to 7 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.
		Activation Options	• Motion Sensor, Infrared Sensor, Heat Sensor.
Material Construction	• Structural aluminum, steel, and stainless steel options. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.	**Solar Charge and Lighting Controller**	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable lighting output for varied lighting needs.

STL PRO SERIES

Power options available for the STL-Pro.
We offer three different sizes for the STL-Pro: 135 Watts, 210 Watts, and 285 Watts. These sizes can accommodate a variety of loads needed for your project.

| 135 Watt | 210 Watt | 285 Watt |

PHILIPS

CREE ⇕ LIGHTING
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VISIONAIRE
L I G H T I N G

AVAILABLE LIGHTING PROFILE

Lighting options from SELS Solar.
We work with a variety of trusted lighting manufacturers. During the design and engineering process, we work with you to determine the lighting needs for your project. This includes the lighting temperature, intensity, and the light distribution. Next, we obtain the appropriate lamp or lighting from our reliable sources to ensure quality and customer satisfaction.

STL-Pro height range:
12ft - 50ft

STL-Pro
Arm Range:
3ft - 12ft
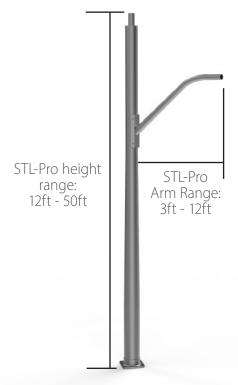
STL-Pro power output options.
The STL-Pro can accommodate different combinations of uses. This includes the use of lighting, surveillance, both, or wired to a power storage device.
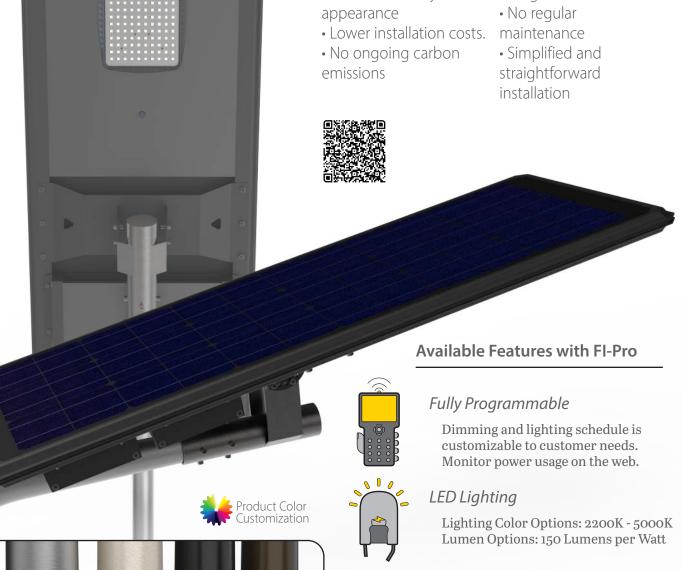
STL-Pro units lighting a popular walking trail along Utah's extensive Provo River Trail system.

Located on a boat launch in Davie County, NC. The frequent flooding of the area poses no issue because the STL-Pro houses components at the pole top.

Parque Mario Cañas Ruiz in Liberia, Costa Rica receives STL-Pros to keep the public area accessible into the night.

![SELS - Smart Era Lighting Systems logo]

FULLY INTEGRATED SOLAR LIGHTING
FI SERIES

SELS Fully Integrated model is a reliable and robust stand-alone solar lighting solution. Featuring an integrated battery system paired with an integrated LED light. Suitable for areas where full brightness is needed with motion sensor activation. The FI-Pro is a cost effective solution for pedestrian, cycle and parking lanes.

This attractive solution offers a very simple and fast installation.

Benefits:
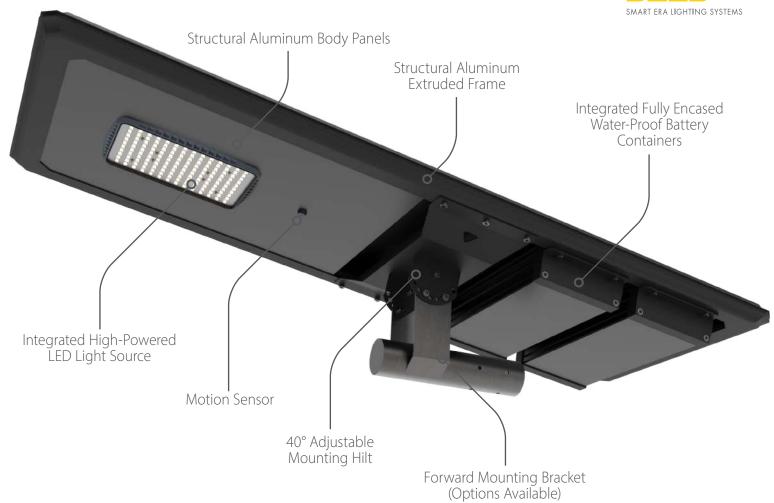
• Architectural designed
• Unobtrusive daytime appearance
• Lower installation costs.
• No ongoing carbon emissions

• Immune to power outages
• No regular maintenance
• Simplified and straightforward installation

Product Color Customization

Available Features with FI-Pro

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Security Surveillance

Utilize our patent pending camera design system to keep your property safe.

Structural Aluminum Body Panels

Structural Aluminum
Extruded Frame

Integrated Fully Encased
Water-Proof Battery
Containers

Integrated High-Powered
LED Light Source

Motion Sensor

40° Adjustable
Mounting Hilt

Forward Mounting Bracket
(Options Available)

PV Module	• Impact Resistance PV Module. • High-efficiency monocrystalline cells. • Up to 140W Solar Panel. • Aluminum Panel Casing and adjustable panel bracket.
Material Construction	• Structural aluminum. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard. • Stainless steel bracket.
Design	• Attractive design, different color options.
Battery Power Storage	• High performance Lithium (LiFePO$_4$). • Cycle life over 2500 times, up to 7 days of Autonomy, Motion Sensor Activation. • High temperature range tolerance, Extremely Cold weather battery options.

Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable lighting output for varied lighting needs.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • Wide range of color temperature options available. • Up to 18,000 lumen output. • UV and impact resistant lenses won't yellow or crack.
Activation Options	• Motion Sensor, Infrared Sensor, Heat Sensor.

FI SERIES

72 Watt

105 Watt

140 Watt

Power options available for the FI-Pro.
The FI-Pro is available in three different power and LED configurations. 72 watt PV with one LED and battery. 105 watt PV with two LEDs and one battery. 140 watt PV with three LEDs and two batteries.

PHILIPS

CREE ⇔ LIGHTING
A COMPANY OF *IDEAL INDUSTRIES, INC.*

VISIONAIRE *LIGHTING*

AVAILABLE LIGHTING PROFILE

Lighting options from SELS Solar.
We work with a variety of trusted lighting manufacturers. During the design and engineering process, we work with you to determine the lighting needs for your project. This includes the lighting temperature, intensity, and the light distribution. Next, we obtain the appropriate lamp or lighting from our reliable sources to ensure quality and customer satisfaction.

FI-PRO height range:
14ft - 35ft

FI-Pro Arm Range:
3ft - 6ft
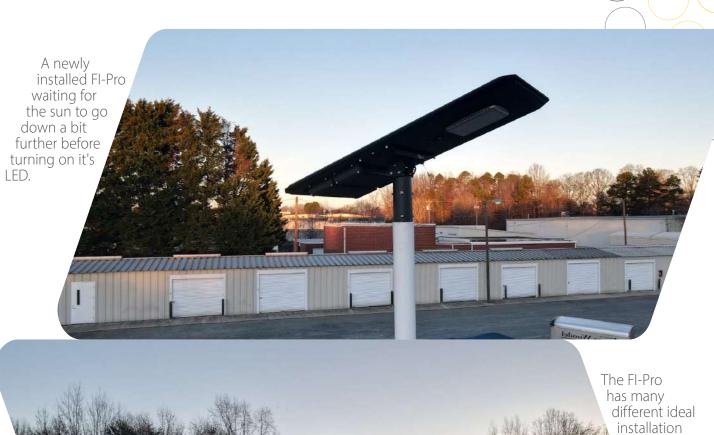
Mounting Options available for the FI-Pro.
The FI-Pro has multiple mounting options available to it, made possible by it's smaller size. Pictured here: adjustable forward mount for pole arms, adjustable pole top mount, and a stylized pole top mount.

A newly installed FI-Pro waiting for the sun to go down a bit further before turning on it's LED.

The FI-Pro has many different ideal installation areas. This one lights the street outside a farm in North Carolina.

The FI-Pro features multiple mounting options and custom bracket designs to meet any installation configuration.

SOLAR NETWORK SURVEILLANCE
SNC SERIES

SYSTEM PERFORMANCE
- Zero-Outage Guarantee.
- 25+ year system life.

VIDEO PERFORMANCE
- Up to 12MP video resolution.
- IR and advanced color night vision.
- Fixed and Varifocal lens technology.
- Automatic PTZ object tracking.

CONNECTIVITY
- 4G from any US-based wireless carrier.
- Fail over network backup.
- Wireless radio bridging.
- Built-in passive GPS.
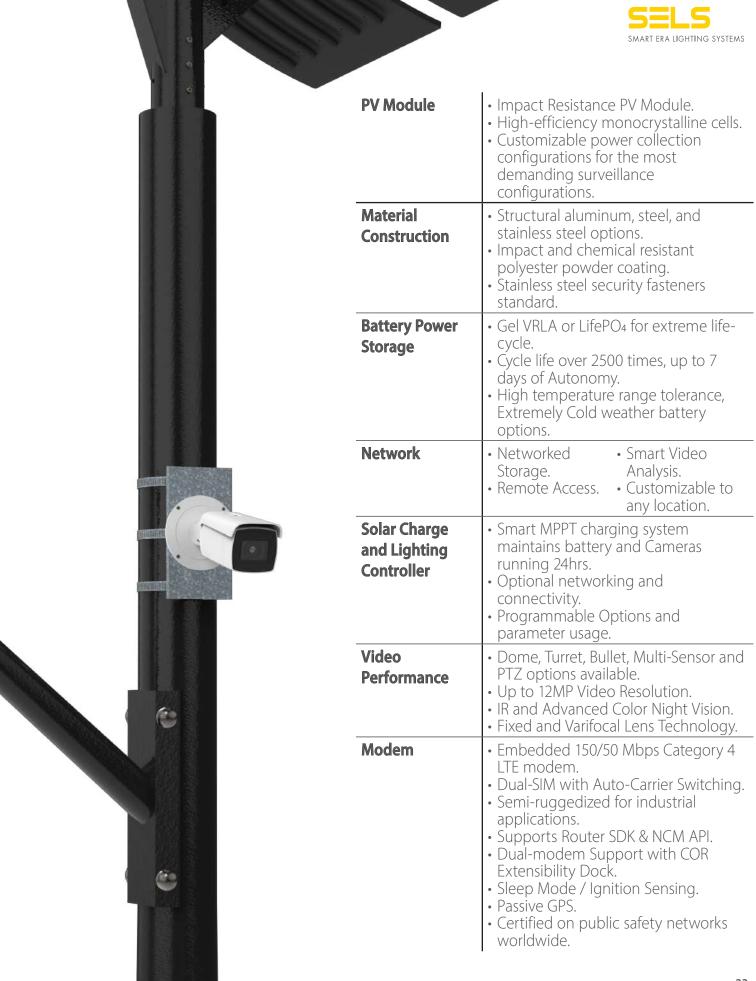
SELS presents its IP Camera system for reliable surveillance and security monitoring at locations where they were once considered impossible.

As a leader in outdoor solar-powered products, SELS IP Camera system is a unique system powered by our proven ST & STL power management system. This system can serve as a stand-alone surveillance system or in joint function with lighting. Leveraging leading camera and networking equipment manufacturers, we provide online remote access to all camera systems aided by an intelligent monitoring system that keeps track of the camera's status and activity in the area.

The IP Camera system is offered with resolution options to 4K and beyond with local or networked storage, remote access, intelligent video analysis, and more. SELS IP Camera systems are customizable to adapt to any installation location.

Available Features with IP Camera Systems

Security Surveillance
Utilize our patent pending camera design system to keep your property safe.

PV Module	• Impact Resistance PV Module. • High-efficiency monocrystalline cells. • Customizable power collection configurations for the most demanding surveillance configurations.
Material Construction	• Structural aluminum, steel, and stainless steel options. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.
Battery Power Storage	• Gel VRLA or LifePO$_4$ for extreme life-cycle. • Cycle life over 2500 times, up to 7 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.
Network	• Networked Storage. • Remote Access. • Smart Video Analysis. • Customizable to any location.
Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and Cameras running 24hrs. • Optional networking and connectivity. • Programmable Options and parameter usage.
Video Performance	• Dome, Turret, Bullet, Multi-Sensor and PTZ options available. • Up to 12MP Video Resolution. • IR and Advanced Color Night Vision. • Fixed and Varifocal Lens Technology.
Modem	• Embedded 150/50 Mbps Category 4 LTE modem. • Dual-SIM with Auto-Carrier Switching. • Semi-ruggedized for industrial applications. • Supports Router SDK & NCM API. • Dual-modem Support with COR Extensibility Dock. • Sleep Mode / Ignition Sensing. • Passive GPS. • Certified on public safety networks worldwide.

SOLAR NETWORK SURVEILLANCE
SNC SERIES

PRODUCT CODE: SNC150-B

SOLAR NETWORK CAMERA BULLET CAMERA

Solar Panel: 160 Watt Monocrystalline Silicon.
Structure: Structural Aluminum | Performance Polyester Powder Coating.
Camera Resolution: Up to 12 MP Video.
System Controller: Smart MPPT charging system maintains battery and system life.
Mounting: Pole Side Mounting.
Power Storage: High Performance Lead-Acid or LiFePO₄ Batteries.
Options: Embedded 150/50 Mbps Cat4 LTE Modem, Hosted surveillance Server, 4G from any US-Based Wireless Carrier.
Function: Remote Access and Smart Video Analysis, IR and Advanced Color Night Vision, Fixed and Varifocal Lens Technology.
Protection degree: IP68 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.

PRODUCT CODE: SNC150-D

SOLAR NETWORK CAMERA DOME CAMERA

Solar Panel: 160 Watt Monocrystalline Silicon.
Structure: Structural Aluminum | Performance Polyester Powder Coating.
Camera Resolution: Up to 12 MP Video.
System Controller: Smart MPPT charging system maintains battery and system life.
Mounting: Pole Side Mounting, Pole Arm Mounting.
Power Storage: High Performance Lead-Acid or LiFePO₄ Batteries.
Options: Embedded 150/50 Mbps Cat4 LTE Modem, Hosted surveillance Server, 4G from any US-Based Wireless Carrier.
Function: Remote Access and Smart Video Analysis, IR and Advanced Color Night Vision, Fixed and Varifocal Lens Technology, Automatic PTZ Object Tracking.
Protection degree: IP68 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.

PRODUCT CODE: SNC300

SOLAR NETWORK CAMERA 360° DOME CAMERA

Solar Panel: 320 Watt Monocrystalline Silicon.
Structure: Structural Aluminum | Performance Polyester Powder Coating.
Camera Resolution: Four Lenses each Up to 12 MP Video.
System Controller: Smart MPPT charging system maintains battery and system life.
Mounting: Pole Side Mounting, Pole Arm Mounting.
Power Storage: High Performance Lead-Acid or LiFePO₄ Batteries.
Options: Embedded 150/50 Mbps Cat4 LTE Modem, Hosted surveillance Server, 4G from any US-Based Wireless Carrier.
Function: Remote Access and Smart Video Analysis, IR and Advanced Color Night Vision, Fixed and Varifocal Lens Technology, Automatic PTZ Object Tracking.
Protection degree: IP68 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.

PRODUCT CODE: SNC65W

SOLAR NETWORK CAMERA SP9570 WITH CAMERA

Solar Panel: 65 Watt Flexible Monocrystalline Silicon.
Structure: Impact-Resistant ABS | Performance Polyester Powder Coating.
Camera Resolution: Up to 5 MP Video.
System Controller: Smart MPPT charging system maintains battery and system life.
Mounting: Pole Top Mounting.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Embedded 150/50 Mbps Cat4 LTE Modem, Hosted surveillance Server, 4G from any US-Based Wireless Carrier.
Function: Remote Access and Smart Video Analysis, IR and Advanced Color Night Vision, Fixed and Varifocal Lens Technology, Automatic PTZ Object Tracking.
Protection degree: IP68 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Mounting Height: 13ft

![SELS - SMART ERA LIGHTING SYSTEMS logo]

PATHWAY & PARK LIGHTING
SP SERIES

SELS SP Series solar powered LED Park Lights are ideal for pedestrian pathways, parking lots, plazas, parks, playgrounds, bus stops applications and many other. The variety of designs integrate solar power collection and storage with adaptive and programmable LED lighting control into an attractive, weatherproof form. With robust construction and unrivaled performance, the SP range has a design to fit any style and need in an unobtrusive an efficient luminaire.

Some of the advantages:

• Cost effective design ships fully assembled and installs in minutes.

• Low installation cost and minimal site impact with no trenching, cabling, or wiring.

• Minimal ongoing costs with no electric bills or bulbs to change.

Available Features with Pathway and Park

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

All colors options
Available in Paint & Anodize
Panel Options

Impact Resistant
Tempered Glass Solar
Panels

Highest Quality LED
Lighting

Pole Top Mounting
for Retrofitting

Structural Cast
Aluminum Housing

PV Module	• Glass PV Module. • High-efficiency monocrystalline cells. • ETFE coated semi-flexible Maxeon PV modules.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • High output LEDs. • Wide range of color temperature options available. • Up to 3500 lumen output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) compliant fixtures.
Material Construction	• Structural aluminum, steel. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.

Design	• Multiple Options and parameters to meet your project needs.
Battery Power Storage	• High performance LiFePO$_4$. • Cycle life over 2500 times, up to 4 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.
Activation Options	• Motion Sensor, Infrared Sensor, Heat Sensor.
Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable lighting output for varied lighting needs.

PATHWAY & PARK LIGHTING
SP SERIES

PRODUCT CODE: SP9555

PATHWAY & PARK LIGHTING

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
LED Output Power: 14 Watts LED.
Color Temperature: 3000 - 6000 K.
Lumens: 1800 lm.
Working temperature: -25°C~55°C | -13°F~131°F
Lifespan: 100,000 hrs.
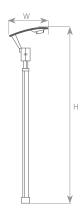**Wind Resistance:** 90 mph | 145 km/h
Material: Structural Aluminum.
Operation: Fully Automatic | Programmable | Remote control.
Protection degree: IP66 water resistant.
Rainy/cloudy days: Lasts 3-5 days.
Total lamp height: 8ft - 12ft.

PRODUCT CODE: SP9556

PATHWAY & PARK LIGHTING

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
Total LED Output Power: 14 Watts LED.
Color Temperature: 3000 - 6000 K.
Lumens: 1800 lm.
Working temperature: -25°C~65°C | -13°F~149°F
Lifespan: 100,000 hrs.
Wind Resistance: 90 mph | 145 km/h
Material: Structural Aluminum.
Operation: Fully Automatic | Programmable | Remote control.
Protection degree: IP66 water resistant.
Rainy/cloudy days: Lasts 3-5 days.
Total lamp height: 8ft - 12ft.

PRODUCT CODE: SP9557

PATHWAY & PARK
LIGHTING

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
Total LED Output Power: 20 Watts LED.
Color Temperature: 3000 - 6000 K.
Lumens: 3000 lm.
Working temperature: -25℃~65℃ | -13°F~149°F
Lifespan: 100,000 hrs.
Wind Resistance: 90 mph | 145 km/h
Material: Structural Aluminum.
Operation: Fully Automatic | Programmable| Remote control.
Protection degree: IP66 water resistant.
Rainy/cloudy days: Lasts 3-5 days.
Total lamp height: 10ft - 14ft.

PRODUCT CODE: SP9570

PATHWAY & PARK
LIGHTING

Solar Panel: Semi-flexible Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
LED Output Power: 15 Watts LED.
Color Temperature: 3000 - 6000 K.
Lumens: 2500 lm.
Working temperature: -25℃~55℃ | -13°F~131°F
Lifespan: 100,000 hrs.
Wind Resistance: 75 mph | 120 km/h
Material: Structural Aluminum.
Operation: Fully Automatic | Programmable | Remote control.
Protection degree: IP66 water resistant.
Rainy/cloudy days: Lasts 5-7 days.
Total lamp height: 12ft - 16ft.

SOLAR CHARGING & CONNECTIVITY STATIONS
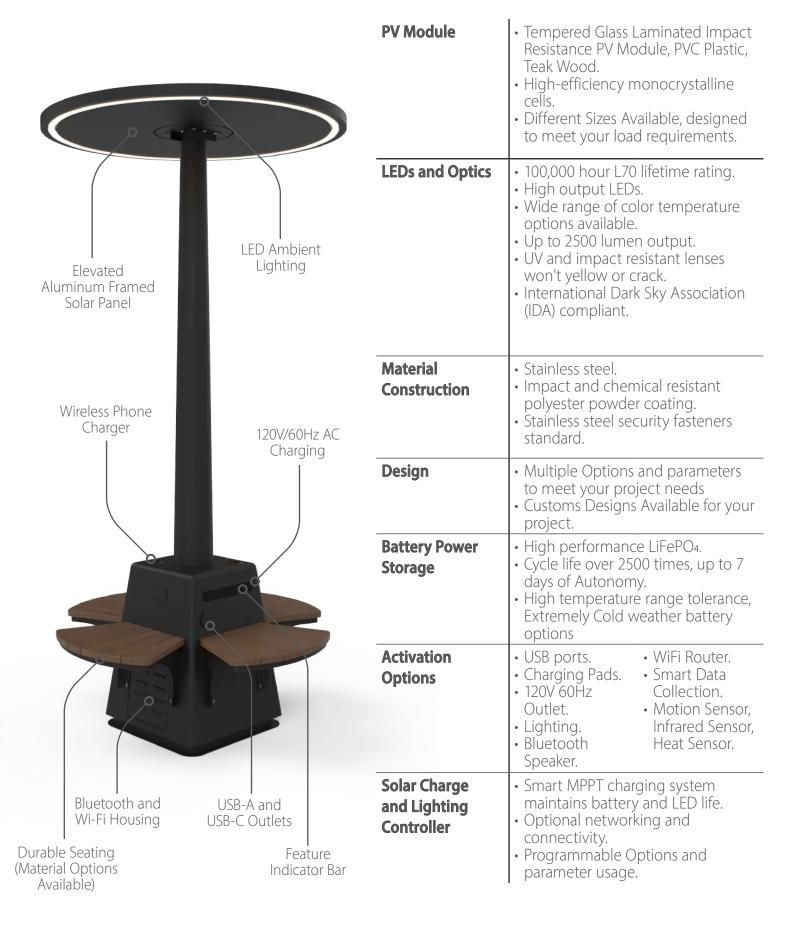
SC SERIES

SELS urban charging stations are the perfect solution for cities and parks looking for architectural quality outdoor furniture with the dual utility of meeting users' connectivity and device charging demands.

Our charging station's design is a blend of modern style and advanced function that provides security LED light and green energy for mobile devices in any outdoor setting - keeping visitors fully charged and engaged.

Available Features for all Smart Benches, Tables, or Stand-alone Units

WiFi
Extend your current WiFi network or create a new one utilizing LTE connectivity.

Wireless Charging
Fast-charge any phone, tablet, headphones or other devices that are wireless charging compatible.

Bluetooth Speaker
Connect your device and play music to elevate the ambiance.

LED Lighting
Lighting Color Options: 2200K - 6000K
Lumen Options: 150 Lumens per Watt

Fully Programmable
Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

USB Charging
Plug in a USB cord to charge or power any device.

AC Outlet Charging
Plug in a 120V cord to charge or power any device.

All powder-coat and material options
Available via customization

Elevated Aluminum Framed Solar Panel

LED Ambient Lighting

Wireless Phone Charger

120V/60Hz AC Charging

Bluetooth and Wi-Fi Housing

USB-A and USB-C Outlets

Durable Seating (Material Options Available)

Feature Indicator Bar

PV Module	• Tempered Glass Laminated Impact Resistance PV Module, PVC Plastic, Teak Wood. • High-efficiency monocrystalline cells. • Different Sizes Available, designed to meet your load requirements.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • High output LEDs. • Wide range of color temperature options available. • Up to 2500 lumen output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) compliant.
Material Construction	• Stainless steel. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.
Design	• Multiple Options and parameters to meet your project needs • Customs Designs Available for your project.
Battery Power Storage	• High performance LiFePO$_4$. • Cycle life over 2500 times, up to 7 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options
Activation Options	• USB ports. • WiFi Router. • Charging Pads. • Smart Data Collection. • 120V 60Hz Outlet. • Motion Sensor, Infrared Sensor, Heat Sensor. • Lighting. • Bluetooth Speaker.
Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable Options and parameter usage.

SOLAR CHARGING & CONNECTIVITY STATIONS
SC SERIES

Product Color Customization

High Impact Resistance

PRODUCT CODE: ST1030-MU

CHARGING STATION & PARK LAMP

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304, Performance Coating.
LED Output Power: 12 Watts LED.
Lumens: 1800 lm
Color Temperature: 3000 - 6000 K
Mounting: Ground mount.
Power Storage: High Performance LiFePO$_4$ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65° C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 276 cm | 9 ft
W: 165 cm | 5.5 ft

PRODUCT CODE: ST1020-RU

CHARGING STATION & PARK LAMP

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304, Performance Coating.
LED Output Power: 12 Watts LED
Lumens: 1800 lm
Color Temperature: 3000 - 6000 K
Mounting: Ground mount.
Power Storage: High Performance LiFePO$_4$ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WiFi, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, 4 seats, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65° C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 250 cm | 8.2 ft
W: 125 cm | 4.1 ft

PRODUCT CODE: SC9830-B

CHARGING STATION & PARK LAMP

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304, Performance Coating.
LED Output Power: 10 Watts LED.
Lumens: 1600 lm
Color Temperature: 3000 - 6000 K
Mounting: Ground mount.
Power Storage: High Performance LiFePO$_4$ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65° C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 276 cm | 9 ft
W: 72 cm | 2.4 ft

PRODUCT CODE: SC9830

CHARGING STATION & PARK LAMP

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304, Performance Coating.
LED Output Power: 12 Watts LED
Lumens: 1800 lm
Color Temperature: 3000 - 6000 K
Mounting: Ground mount.
Power Storage: High Performance LiFePO$_4$ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
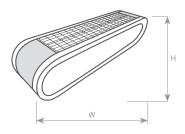**Function:** 4 USB ports, 2 Charging Pads, Bluetooth Speaker, 4 seats, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65° C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 250 cm | 8.2 ft
W: 125 cm | 4.1 ft

SOLAR CHARGING & CONNECTIVITY STATIONS
SC SERIES

Product Color Customization

High Impact Resistance

PRODUCT CODE: SMF-3010

SOLAR MODULAR FURNITURE BENCHES & CHARGING STATION

Solar Panel: Monocrystalline Silicon

Structure: Stainless Steel 304 | Performance Coating.

Mounting: Ground mount.

Power Storage: High Performance LiFePO$_4$ Batteries.

Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
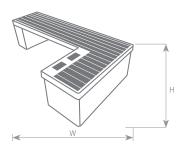
Function: 8 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)

Protection degree: IP66 water resistant.

Working temperature: -25°C~65°C | -13°F~149°F

Rainy/cloudy days: Lasts 3-5 days.

Dimensions:
H: 47 cm | 1.5 ft
W: 205 cm | 6.7 ft

The SMF-3010 is a set-and-forget modular system. Allowing a wide range of customization to fulfill any need in any space.

Configuring the SMF-3010:

Table Top (SMF-3010-A) - This houses solar panels, USB and AC charging ports, Wireless Chargers, LEDs, WiFi Modules, BT speakers, and motion sensors. It has two mounting points on the bottom used for attachment.

Single Leg (SMF-3010-B) - The legs of the SMF-Series house the power storage. The single leg is used at the end of a chain of SMF table tops or single SMF units.

Double Leg (SMF-3010-C) - The double legs are the connecting apparatus for linking SMF units. They offer a parallel circuit with power storage. This allows all the batteries to charge from the connected SMF table tops.

A

B

C

SMF-3010 is compatible with many unique bottoms. Including this picnic table style attachment.

PRODUCT CODE: SB1030
SOLAR BENCHES & CHARGING STATION

Solar Panel: Monocrystalline Silicon
Structure: Stainless Steel 304 | Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 47 cm | 1.5 ft
W: 205 cm | 6.7 ft

PRODUCT CODE: SB1035
SOLAR BENCHES & CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 | Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 45 cm | 1.5 ft
W: 170 cm | 5.6 ft

SOLAR CHARGING & CONNECTIVITY STATIONS
SC SERIES

Product Color Customization

High Impact Resistance

PRODUCT CODE: SB1040
SOLAR BENCHES & CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 | Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO4 Batteries.
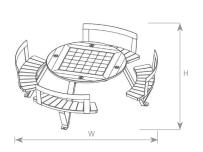**Options:** Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 3 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 45 cm | 1.5 ft
W: 220 cm | 7.2 ft

PRODUCT CODE: ST1010
SOLAR TABLE & CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 | Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO4 Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
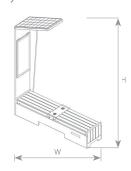**Protection degree:** IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 46 cm | 1.5 ft
W: 168 cm | 5.5 ft

PRODUCT CODE: ST1020

SOLAR TABLE & CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 | Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
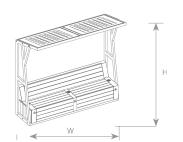**Function:** 4 USB ports, 4 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 230 cm | 7.5 ft
W: 75 cm | 2.5 ft

PRODUCT CODE: SB1050

SOLAR BENCH CHARGING STATION DISPLAY & PARK LIGHT

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 | Performance Coating.
LED Output Power: 12 Watts LED.
Lumens: 1800 lm
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 4 USB ports, 2 Charging Pads, Bluetooth Speaker, Advertising display, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25°C~65°C | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 223 cm | 7.3 ft
W: 225 cm | 7.4 ft

![SELS — Smart Era Lighting Systems]

SOLAR CHARGING & CONNECTIVITY STATIONS
SC SERIES

Product Color Customization

High Impact Resistance

PRODUCT CODE: SB1060

SOLAR BUS SHELTER LIGHTING & CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 **|** Performance Coating.
LED Output Power: 12 Watts LED.
Lumens: 1800 lm
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
Function: 3 USB ports, 3 Charging Pads, Bluetooth Speaker, WiFi and Lighting. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 302 cm **|** 9.8 ft
W: 209 cm **|** 6.9 ft

PRODUCT CODE: SB1070

SOLAR BENCH CHARGING STATION

Solar Panel: Monocrystalline Silicon.
Structure: Stainless Steel 304 **|** Performance Coating.
Mounting: Ground mount.
Power Storage: High Performance LiFePO₄ Batteries.
Options: Additional USB ports or Charging Pads, Lighting, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.
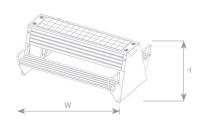**Function:** 4 USB ports, 2 Charging Pads, Bluetooth Speaker, WiFi and Lighting. LED strip light under the bench. (Customization Available)
Protection degree: IP66 water resistant.
Working temperature: -25℃~65℃ | -13°F~149°F
Rainy/cloudy days: Lasts 3-5 days.
Dimensions:
H: 230 cm **|** 7.5 ft
W: 96 cm **|** 3.2 ft

PRODUCT CODE: SMF-2010

SOLAR MODULAR FURNITURE CHARGING STATION

Solar Panel: Monocrystalline Silicon.

Structure: Stainless Steel 304 | Performance Coating. (Options available for legs).

Mounting: Ground mount or no mounting necessary.

Power Storage: High Performance LiFePO4 Batteries.

Options: Additional USB ports or Charging Pads, Bluetooth Speaker, WIFI, Coating Color, Custom Designs.

Function: 2 USB ports, Bluetooth Speaker, or WiFi. (Customization Available)

Protection degree: IP66 water resistant.

Working temperature: -25°C~65°C | -13°F~149°F

Rainy/cloudy days: Lasts 3-5 days.

Dimensions:
H: 55.8 cm | 1.8 ft
W: 40.6 cm | 1.3 ft

The SMF-2010 is an easily customized modular system. Allowing you to mix and match legs and table tops to suit your unique style.

Configuring the SMF-2010:

Square Table Top (SMF-2010-A) - This houses solar panels, USB and AC charging ports, WiFi Modules, and BT speakers. It has a pattern of bolt holes underneath allowing the attachment of different legs.
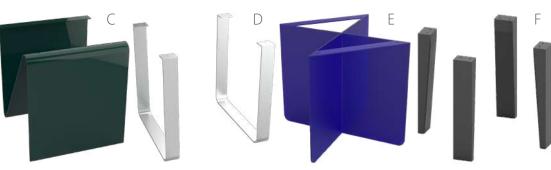
Circle Table Top (SMF-2010-B) - This houses solar panels, USB and AC charging ports, WiFi Modules, and BT speakers. It has a pattern of bolt holes underneath allowing the attachment of different legs.

Legs (SMF-2010-C/D/E/F) - SELS offers a variety of styles with the legs. All the legs fit can integrate with the square or circle table tops.

A

B

SMF-2010 Leg Options:

C   D   E   F

SELS
SMART ERA LIGHTING SYSTEMS

PUBLIC TRANSPORTATION
TPS - Transit Pole System

SELS Transit Pole System was designed to create a safe waiting zone for transit passengers when no bus shelter is available. This system provides area lighting for the passengers who rely on the bus during the night, as well as a signal light activated by the user that alerts the bus driver to waiting passengers. The TPS is robustly designed and assembled using UV-resistant shock-proof ABS and non-corrosive aluminum. This stylish and modern product features post-consumer recycled materials and is designed to stand up to all types of weather and function in the most demanding conditions while bringing new features that improve the transit system.

This stand alone bus stop brings your transit system into the 21st century. Featuring security area lighting as well as an rider activated signal light to prevent pass-bys. The TPS is a retrofit system that replaces signs or unmarked bus stops and can be mounted on any type of pole.

Available Features for Transit Pole System

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Security Surveillance

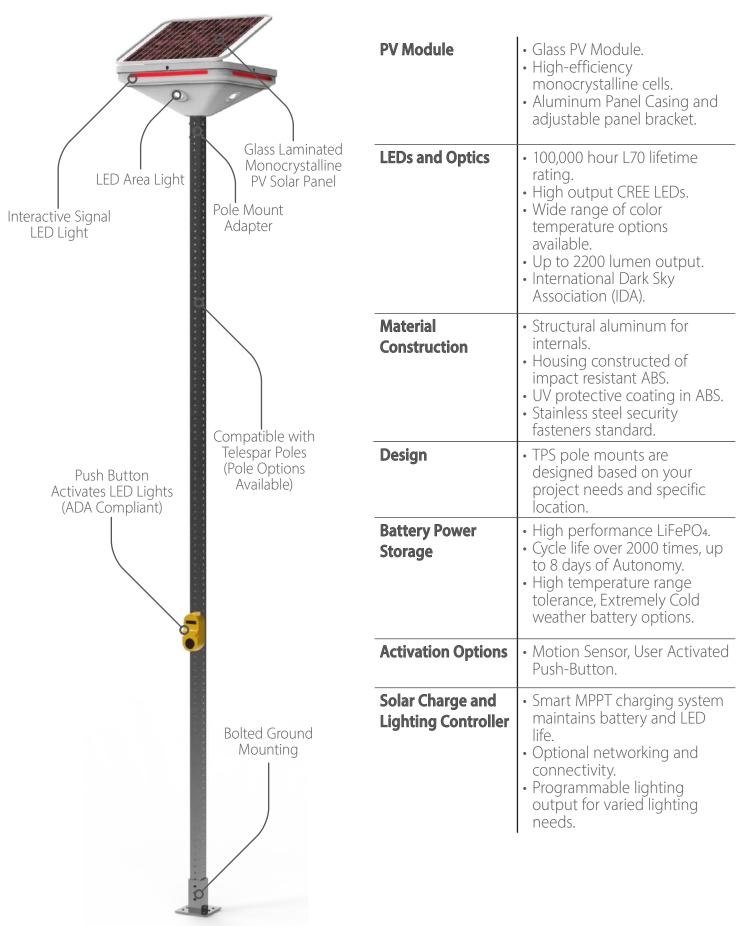Utilize our patent pending camera design system to keep your property safe.

2022 WINNER
LIGHTING DESIGN AWARDS

MADE IN USA

DEPARTMENT OF TRANSPORTATION · UNITED STATES OF AMERICA

All colors options available

Glass Laminated Monocrystalline PV Solar Panel

LED Area Light

Interactive Signal LED Light

Pole Mount Adapter

Compatible with Telespar Poles (Pole Options Available)

Push Button Activates LED Lights (ADA Compliant)

Bolted Ground Mounting

PV Module	• Glass PV Module. • High-efficiency monocrystalline cells. • Aluminum Panel Casing and adjustable panel bracket.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • High output CREE LEDs. • Wide range of color temperature options available. • Up to 2200 lumen output. • International Dark Sky Association (IDA).
Material Construction	• Structural aluminum for internals. • Housing constructed of impact resistant ABS. • UV protective coating in ABS. • Stainless steel security fasteners standard.
Design	• TPS pole mounts are designed based on your project needs and specific location.
Battery Power Storage	• High performance LiFePO4. • Cycle life over 2000 times, up to 8 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.
Activation Options	• Motion Sensor, User Activated Push-Button.
Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable lighting output for varied lighting needs.

PUBLIC TRANSPORTATION

SSL - Solar Shelter Lighting

2022 WINNER LIGHTING DESIGN AWARDS

MADE IN USA

WiFi
Extend your current WiFi network or create a new one utilizing LTE connectivity.

Security Surveillance
Utilize our patent pending camera design system to keep your property safe.

Bluetooth Speaker
Connect your device and play music to elevate the ambiance.

LED Lighting
Lighting Color Options: 2200K - 6000K
Lumen Options: 150 Lumens per Watt
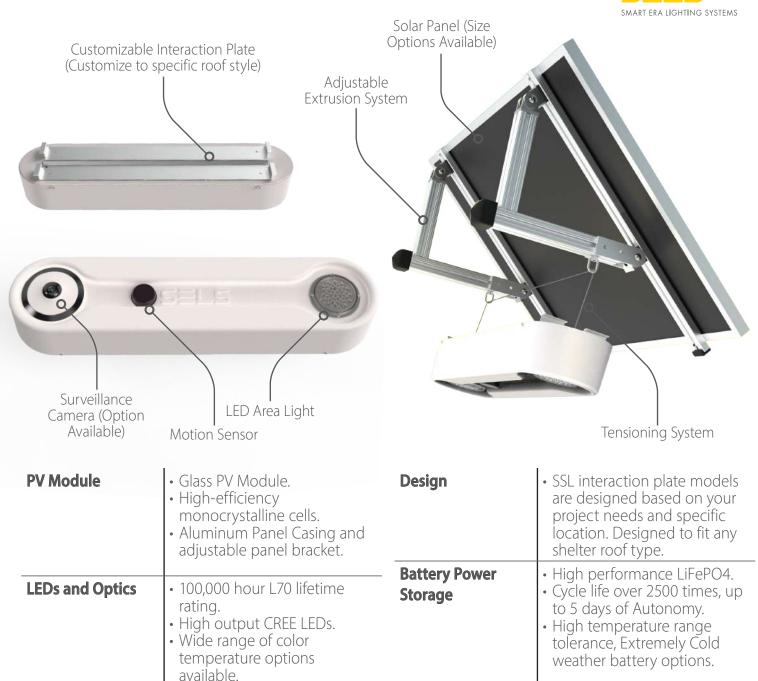
Fully Programmable
Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

SELS Solar Shelter Lighting Systems are specifically designed to be highly durable, universally adaptable as well as simple to install and provide maintenance. This shelter model is ideal in cities with public transportation that runs around the clock or in parks seeking to modernize their amenities.

Equipped with LEDs, cameras, motion sensors, Bluetooth receivers, or even WiFi, this solar system provides safety and security for the passengers waiting for the bus or park-goers that don't want to stop the fun when the sun starts going down. Designed to be sleek with a modern aesthetic, these products are visibly unobtrusive to the city's residents.

Customizable Interaction Plate
(Customize to specific roof style)

Solar Panel (Size
Options Available)

Adjustable
Extrusion System

Surveillance
Camera (Option
Available)

LED Area Light

Motion Sensor

Tensioning System

PV Module	• Glass PV Module. • High-efficiency monocrystalline cells. • Aluminum Panel Casing and adjustable panel bracket.
LEDs and Optics	• 100,000 hour L70 lifetime rating. • High output CREE LEDs. • Wide range of color temperature options available. • Up to 18,000 lumen output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) compliant.
Material Construction	• Structural aluminum extrusions and impact resistant ABS • UV protective coating. • Stainless steel security fasteners standard.

Design	• SSL interaction plate models are designed based on your project needs and specific location. Designed to fit any shelter roof type.
Battery Power Storage	• High performance LiFePO4. • Cycle life over 2500 times, up to 5 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.
Activation Options	• Motion Sensor, Infrared Sensor, Heat Sensor.
Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable lighting output for varied lighting needs.

SOLAR MOBILE POWER UNITS
MPU SERIES

SELS Mobile Power Units are a rugged solution for demanding site requirements including security lighting, surveillance, communications, and miscellaneous power needs.

Zero upkeep or maintenance costs required making **SELS** power towers the ideal solution for temporary or long-term deployment. SELS' designs are optimized for performance and reliability ensuring continuous use and on-demand power.

USAGE MONITORING

- Customize load options including surveillance, lighting, communication, etc.
- Fully programmable for autonomous operation.
- Expandable standby power when needed including 110/220 VAC, DC, etc.
- System health monitoring and networking options.

COMPONENT OPTIONS

- IP Surveillance Cameras and NVR/DVR.
- Remote modem and communications equipment.
- Display matrix.
- Communications loudspeaker.

SECURE STORAGE ROBUST DESIGN

- System components stored securely in body of unit.
- Tempered glass PV modules offer high impact resistance.
- Resists wind loads up to 90 mph.

TRANSPORT

- Fully welded frame for secure transport.
- Excellent for use in remote locations.
- 5-minute setup and deployment.
- Balanced weight distribution for easy movement.

PV Module	• Impact Resistance PV Module. • High-efficiency monocrystalline cells. • Different Panel Configurations up to 3,680W for the most demanding configurations. • Adjustable solar panel angle.	Options	• Electric or Hydraulic Mast Controls. • Surveillance Camera. • Solar as a Generator. • Lighting Up to 186,000 lm. • Communications Equipment. • Communication loud Speaker. • 4G Enabled Wifi.
Material Construction	• Fully Welded Structural Steel Construction. • Impact and chemical resistant polyester powder coating. • Stainless steel security fasteners standard.	Solar Charge and Lighting Controller	• Smart MPPT charging system maintains battery and LED life. • Optional networking and connectivity. • Programmable Options, and parameter usage.
Battery Power Storage	• Gel VRLA for extreme life-cycle. LiFePO$_4$ Option Available. • Cycle life over 2500 times, up to 4 days of Autonomy. • High temperature range tolerance, Extremely Cold weather battery options.	Towing	• 2" Ball, 2-5/16 Ball, Lunette Ring, Side and Back fork lift Pockets.

SOLAR MOBILE POWER UNITS
MPU SERIES

Product Color Customization

PRODUCT CODE: MPU

SOLAR MOBILE POWER UNIT

Solar Options:
Solar Panel: Monocrystalline Silicon.
Solar Panel Count: 1-8 Panels
Solar Panel Size: 380W - 460W

LED & Mast Options:
LED Count: 1-8 LED units
LED Power: 50W - 200W
Lumens: Up to 186,000 lm
Color Temp: 2700K - 6000K
Lamp Rotation: 90°, 180°, or 360°
Rotation Type: Manual or Electric
Mast Type: ASTM A36 Steel in Square or Round Tube
Mast Height: 15ft - 30ft
Mast Sections: 3 - 9
Mast Operation: Manual, Electric, or Hydraulic

Electrical Options:
Battery Type: LiFePO$_4$, Gel VRLA, Lead Acid
Battery Size: 100Ah - 225Ah
Battery Quantity: 2 - 20
System Voltage: 12V or 24V

Inverter: 1.5kW - 5kW true sine wave.
Receptacle Power Output: 120 VAC, 240 VAC, 12 - 96 VDC, 5 VDC USB.
Output: NEMA 5-15R, NEMA 5-20R, NEMA L5-15R, or NEMA L5-30R
Input: NEMA 5-15P, NEMA 5-20P, NEMA L5-15P, NEMA L5-30P
Electronic Options: LED Lighting, Surveillance System, Communications Equipment, Solar As Generator, Customization.
Rainy/cloudy days: Up to 4 days.

Trailer Options:
Material: Fully welded structural steel.
Trailer: US Standard: Ball Hitch Manual Outrigger or AL-KO for Rough Road
Ball Hitch Size: 1-7/8", 2", 2-5/16", 3"
Axle: 1 or 2 Axles
Trailer Connection: 7-PIN Trailer Connection
Enclosure: Temp. Controlled Fan - Adjustable
Protection degree: IP66 water resistant.
Add-Ons: Replacement Tire, Extension Cord for Charging, Trailer Stabilization Outriggers, 4 D-Rings for lifting, Forklift Pockets, Trailer Brake, Safety Chain.
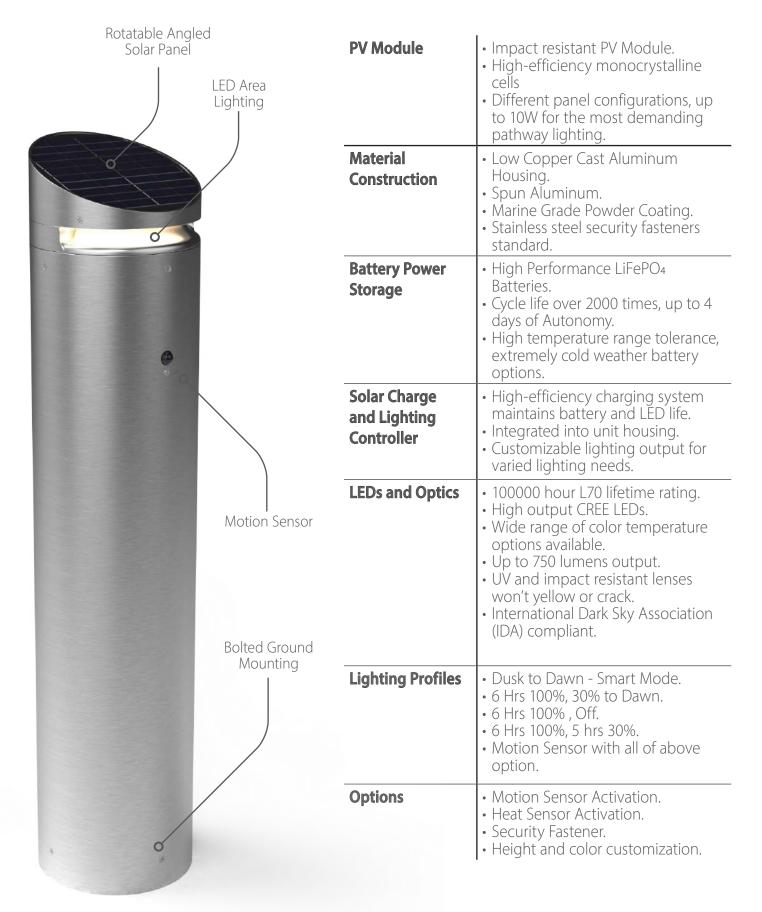
Mobile Power Units fully manufactured, on display, and ready for delivery to U.S. Customs and Border Patrol.

Mobile Power Unit with additional solar panels extended to receive its full potential of solar energy.

Close-up of the high-powered LEDs that the Mobile Power Unit uses to illuminate the surrounding area.

SELS
SMART ERA LIGHTING SYSTEMS

SOLAR GARDEN LIGHTS
SG SERIES

SELS' SG-Series solar powered LED bollards are ideal for architectural and commercial pathway applications. The variety of designs integrate solar power collection and storage with adaptive and programmable LED lighting control into an attractive, weatherproof form. With robust construction and unrivaled performance the SG range has a design to fit any style and need.

SELS' solar powered architectural bollards offer the perfect solution for a range of applications. Cost effective design ships fully assembled and installs in minutes.

Available Features with SG-Series

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Product Color Customization

Rotatable Angled
Solar Panel

LED Area
Lighting

Motion Sensor

Bolted Ground
Mounting

PV Module	• Impact resistant PV Module. • High-efficiency monocrystalline cells • Different panel configurations, up to 10W for the most demanding pathway lighting.
Material Construction	• Low Copper Cast Aluminum Housing. • Spun Aluminum. • Marine Grade Powder Coating. • Stainless steel security fasteners standard.
Battery Power Storage	• High Performance LiFePO$_4$ Batteries. • Cycle life over 2000 times, up to 4 days of Autonomy. • High temperature range tolerance, extremely cold weather battery options.
Solar Charge and Lighting Controller	• High-efficiency charging system maintains battery and LED life. • Integrated into unit housing. • Customizable lighting output for varied lighting needs.
LEDs and Optics	• 100000 hour L70 lifetime rating. • High output CREE LEDs. • Wide range of color temperature options available. • Up to 750 lumens output. • UV and impact resistant lenses won't yellow or crack. • International Dark Sky Association (IDA) compliant.
Lighting Profiles	• Dusk to Dawn - Smart Mode. • 6 Hrs 100%, 30% to Dawn. • 6 Hrs 100% , Off. • 6 Hrs 100%, 5 hrs 30%. • Motion Sensor with all of above option.
Options	• Motion Sensor Activation. • Heat Sensor Activation. • Security Fastener. • Height and color customization.

SOLAR GARDEN LIGHTS
SG SERIES

Product Color
Customization

PRODUCT CODE: SG9020

SOLAR GARDEN LIGHTS
DOCK LIGHT

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄
Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
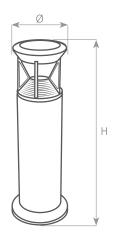**Lumens:** 250 lm
Working temperature: -25°C~65°C | -13°F~149°C
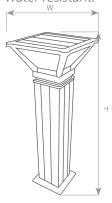**Lifespan:** 75,000 hrs
Material: Low Copper Aluminum.
Paint: Marine powder coating.
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 250 mm | 9.8 in
Ø: 280 mm | 11.0 in
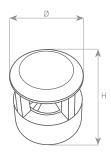
PRODUCT CODE: SG9030

SOLAR GARDEN LIGHTS
BOLLARD
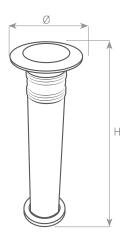
Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄
Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
Lumens: 250 lm
Working temperature: -25°C~65°C | -13°F~149°C
Lifespan: 75,000 hrs
Material: Low Copper Aluminum.
Paint: Marine powder coating.
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 800 mm | 31.5 in
Ø: 240 mm | 9.5 in

PRODUCT CODE: SG9040

SOLAR GARDEN LIGHTS BOLLARD

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
Lumens: 250 lm
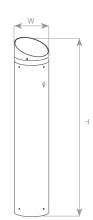**Working temperature:** -25℃~65℃ | -13℉~149℃
Lifespan: 75,000 hrs
Material: Low Copper Aluminum.
Paint: Marine powder coating.
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 800 mm | 31.5 in
Ø: 240 mm | 9.45 in

PRODUCT CODE: SG9090

SOLAR GARDEN LIGHTS BOLLARD

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO₄ Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
Lumens: 250 lm
Working temperature: -25℃~65℃ | -13℉~149℃
Lifespan: 75,000 hrs
Material: Low Copper Aluminum.
Paint: Marine powder coating.
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 1000 mm | 39.4 in
Ø: 180 mm | 7.1 in

SOLAR GARDEN LIGHTS
SG SERIES

Product Color
Customization

PRODUCT CODE: SG9095

SOLAR GARDEN LIGHTS BOLLARD

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO$_4$ Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
Lumens: 500 lm
Working temperature: -25°C~65°C | -13°F~149°C
Lifespan: 75000 hrs
Material: Low Copper Aluminum.
Paint: Marine powder coating.
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 1000 mm | 39.4 in
W: 360 mm | 14.2 in

PRODUCT CODE: SG9100

SOLAR GARDEN LIGHTS BOLLARD

Solar Panel: Monocrystalline Silicon.
Power Storage: High Performance LiFePO$_4$ Batteries.
Function: Steady | Motion Sensor.
Color Temperature: 3000 - 6000 K
Lumens: 500 lm
Working temperature: -25°C~65°C | -13°F~149°C
Lifespan: 75000 hrs
Material: 6063 Structural Aluminum.
Paint: Marine powder coating (optional).
Operation: Fully automatic.
Protection degree: IP66 water resistant.
Dimensions:
H: 800 mm | 31.5 in
W: 177 mm | 7 in

LIT. 2022 WINNER LIGHTING DESIGN AWARDS

SG9040s decorate a public park allowing residents enjoyment and security into the night.

Pacifico Resort in Costa Rica receives a modern update to their public grounds with the SG-Series.

A dog park in Davidson County, NC receives beautiful SG9030s to provide lighting and safety into the night.

SOLAR PUCKS & PAVERS
LSP SERIES

SELS Lighted Solar Pavers are a new kind of solar product. Our robust technology and commercial grade materials can offer a subtle ambient lighting to enhance outdoor spaces.
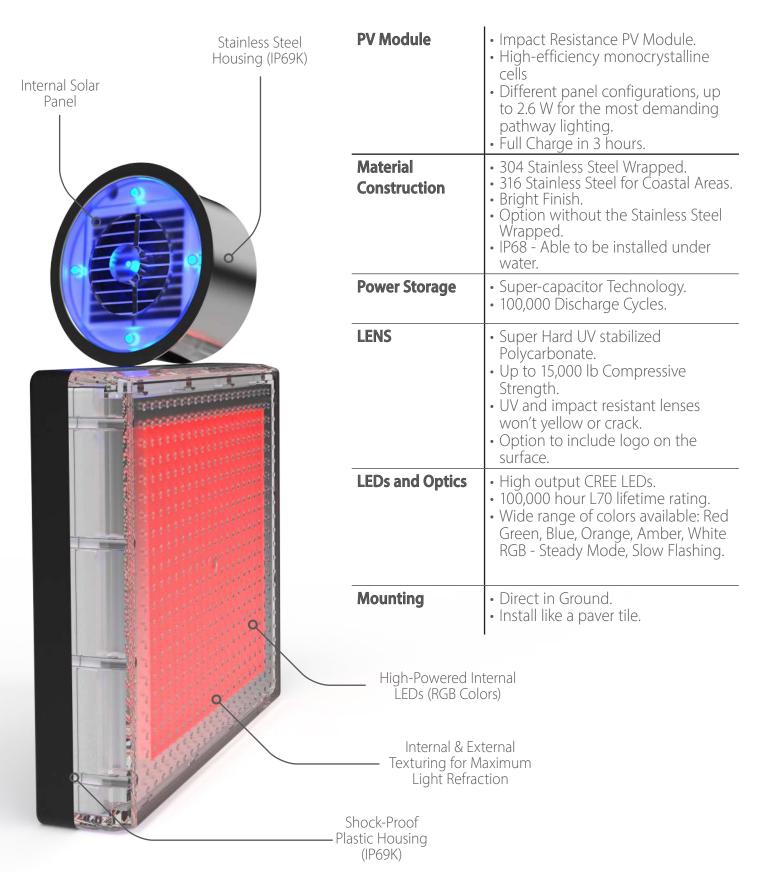
These lights work where other solar products won't. They're also fully waterproof for underwater use. With a fully sealed, bright stainless steel body and fully sealed polycarbonate lenses, our solar pucks brings subtle marking to any environment, landscape, giving a great option for installation in wet and marine areas with minimally invasive installation and a variety of color options, the LSP series are a great addition to any landscape.

SELS solar powered LSP pucks and pavers offer an attractive addition for a range of landscape design applications.

• Walking paths and bike trails.

• Water features, fountain, and pools.

• Roadway and DOT Lane Marking.

Available Features with Solar Pucks & Pavers

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: RGB Color
Lumen Options: 150 Lumens per Watt

Product Color Customization

Internal Solar
Panel

Stainless Steel
Housing (IP69K)

High-Powered Internal
LEDs (RGB Colors)

Internal & External
Texturing for Maximum
Light Refraction

Shock-Proof
Plastic Housing
(IP69K)

Category	Details
PV Module	• Impact Resistance PV Module. • High-efficiency monocrystalline cells • Different panel configurations, up to 2.6 W for the most demanding pathway lighting. • Full Charge in 3 hours.
Material Construction	• 304 Stainless Steel Wrapped. • 316 Stainless Steel for Coastal Areas. • Bright Finish. • Option without the Stainless Steel Wrapped. • IP68 - Able to be installed under water.
Power Storage	• Super-capacitor Technology. • 100,000 Discharge Cycles.
LENS	• Super Hard UV stabilized Polycarbonate. • Up to 15,000 lb Compressive Strength. • UV and impact resistant lenses won't yellow or crack. • Option to include logo on the surface.
LEDs and Optics	• High output CREE LEDs. • 100,000 hour L70 lifetime rating. • Wide range of colors available: Red Green, Blue, Orange, Amber, White RGB - Steady Mode, Slow Flashing.
Mounting	• Direct in Ground. • Install like a paver tile.

SOLAR PUCKS & PAVERS
LSP SERIES

PRODUCT CODE: LRS34
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: Cast Aluminum.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Features: Directional LED for wrong way warning.
Compressive strength: 5,400 lb
Average Luminance: 14.6 Lux
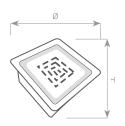**Protection degree:** IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days.
Operation Automatic ON/OFF
Dimensions:
H: 50 mm | 2 in
Ø: 107 mm | 4.2 in
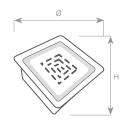
PRODUCT CODE: LSP4
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: 304 Stainless Steel Body, Bright Finish.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 9800 lb
Average Luminance: 16.2 Lux
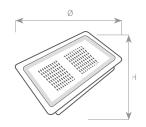**Protection degree:** IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days.
Operation Automatic ON/OFF
Dimensions:
H: 47.8 mm | 1.8 in
Ø: 96 mm | 3.7 in

PRODUCT CODE: LSP5
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon
Structure: 304 Stainless Steel Body, Bright Finish.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 14000 lb
Average Luminance: 7.3 Lux
Protection degree: IP68 waterproof submersible.
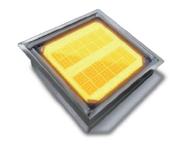**Color:** Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days
Operation Automatic ON/OFF
Dimensions:
H: 47.8 mm | 1.8 in
Ø: 96 mm | 3.7 in
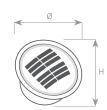
PRODUCT CODE: LSP44
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: 304 Stainless Steel Body, Bright Finish.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 15500 lb
Average Luminance: 16.2 Lux
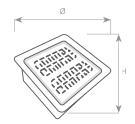**Protection degree:** IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days.
Operation Automatic ON/OFF
Dimensions:
H: 118 mm | 4.6 in
Ø: 118 mm | 4.6 in

PRODUCT CODE: LSP84
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: 304 Stainless Steel Body, Bright Finish.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 8000 lb
Average Luminance: 9.2 Lux
Protection degree: IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days.
Operation Automatic ON/OFF
Dimensions:
H: 123 mm | 4.8 in
Ø: 224 mm | 8.8 in

PRODUCT CODE: LSP88
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon
Structure: 304 Stainless Steel Body, Bright Finish.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
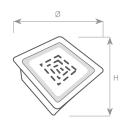**Lamp Lens:** Super hard UV stabilized polycarbonate.
Compressive strength: 9000 lb
Average Luminance: 7.4 Lux
Protection degree: IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 14 days.
Operation Automatic ON/OFF
Dimensions:
H: 224 mm | 8.8 in
Ø: 224 mm | 8.8 in

SOLAR PUCKS & PAVERS
LSP SERIES

Product Color Customization

High Impact Resistance

PRODUCT CODE: LSP44-P
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: Super hard UV stabilized polycarbonate.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
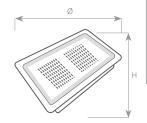**Lamp Lens:** Super hard UV stabilized polycarbonate.
Compressive strength: 5.400 lb
Average Luminance: 14.6 Lux
Protection degree: IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 2-3 days.
Operation Automatic ON/OFF
Dimensions:
H: 118 mm | 4.6 in
Ø: 118 mm | 4.6 in

PRODUCT CODE: LSP48-P
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon.
Structure: Super hard UV stabilized polycarbonate.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 9800 lb
Average Luminance: 16.2 Lux
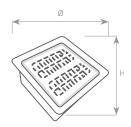**Protection degree:** IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 2-3 days.
Operation Automatic ON/OFF
Dimensions:
H: 224 mm | 8.8 in
Ø: 118 mm | 4.6 in

PRODUCT CODE: LSP88-P
PUCKS & PAVERS

Solar Panel: Monocrystalline Silicon
Structure: Super hard UV stabilized polycarbonate.
Mounting: Direct In-Ground IP68 waterproof for underwater use.
Power Storage: Super-Capacitor Technology.
Lamp Lens: Super hard UV stabilized polycarbonate.
Compressive strength: 14000 lb
Average Luminance: 7.3 Lux
Protection degree: IP68 waterproof submersible.
Color: Red, Green, Blue, Orange, White; continuous, Slow Flashing, Fast Flash.
Working temperature: -40°C~70°C | -40°F~158°F
Rainy/cloudy days: Lasts 2-3 days
Operation Automatic ON/OFF
Dimensions:
H: 224 mm | 8.8 in
Ø: 224 mm | 8.8 in

A private pool and facade decorated with light, utilizing the LSP collection. No wiring necessary.

Solar pavers can be used for small projects like lining the walkway to your home. A simple and effective way of bringing safety to your residence.

Featuring uni-directional lighting and IP68 water-proof rating, the LRS34 provides excellent in-road lane and hazard markers.

FREQUENTLY ASKED QUESTIONS
ABOUT SOLAR LED LIGHTING

1 WHAT ARE THE BENEFITS OF USING SOLAR POWERED SYSTEMS FROM SELS?

Our solar powered systems are cost-effective, environmentally friendly, and easy to install. Our lighting, surveillance, and charging systems require no electrical wiring or access to the power grid, and the energy used to power the systems is free.

2 HOW DO THESE SYSTEMS WORK?

Our off-grid power systems work by converting the energy from the sun into electricity. This is done through photovoltaic cells that are incorporated into the different products. When the sun shines on the cells, they generate an electric current that is stored in a battery. The battery provides the power to run lights at night or surveillance and device charging around the clock.

3 HOW LONG DO THESE SYSTEMS LAST?

The lifespan of SELS' power systems can depend on a variety of factors including the type of battery chosen, the system loads, and the installation location. On average, our systems operate for about eight to ten years before some maintenance is required, with the full system life over 25 years.

4 HOW DO I INSTALL THESE SYSTEMS?

Installing SELS' solar powered systems is often a straightforward and simple process. Our systems come with everything you need to install them, including a solar panel, batteries, electronics, and structural components. Simply choose a
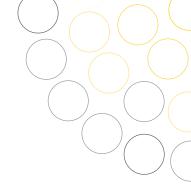
location that receives plenty of sunlight and verify our installation suggestions for safety. Many of our products can be installed on existing concrete pads while some require purpose-built foundations to ensure safety and security in high-wind zones. We're always available to discuss your projects and provide turnkey project design as needed. Check out some of our case-studies online to see the extent of our experience and expertise.

5 CAN SOLAR POWERED SYSTEMS BE USED IN AREAS WITH LIMITED SUNLIGHT?

Yes, SELS will work with you to determine the best location for our systems because your satisfaction is our goal. We use historical solar installation data to build the best system for your geographical location based on load needs. We also provide custom photometric site plans and help with placement to ensure system performance and reliability. As a rule of thumb, it's recommended to find a location that receives direct sunlight for at least five to six hours per day; We'll do the rest to ensure reliability throughout the year.

6 WHAT TYPE OF BATTERIES DO SELS' SYSTEMS USE?

We only use the most robust rechargeable batteries in our systems including Lithium Iron Phosphate (LiFePO4) and Valve Regulated Lead Acid with Gel Electrolyte. These batteries are designed to efficiently store energy from the sun during the day and release it when needed for lighting, surveillance, or charging loads.

7 HOW DO I REPLACE THE BATTERY IN A SOLAR LIGHT?

The power storage components are optimized to perform for 8-10 years without maintenance. However, when batteries inevitably reach their useful life, we provide replacement batteries for all of our products and a free recycling program to ensure your sustainable investment remains that way. Replacing the battery in your off-grid power system is often a simple process and will bring the system back to like-new condition providing years more effective and efficient off-grid power production.

8 ARE SELS SOLAR POWERED SYSTEMS WATERPROOF?

SELS power systems are designed for installation in the most demanding environments including sea-side roadways and pool decks, high wind zones, and heavy snow areas. Because they need power from the sun, our systems live outside and are engineered for longevity. Standard components include structural aluminum and stainless steel, wood-plastic composite sheathing, and stainless steel security fasteners to protect against vandalism and theft.

9 WHAT IS THE WARRANTY PERIOD FOR SELS' POWER SYSTEMS?

SELS offers a 3-year performance warranty as a standard for all of our products. We also offer warranty upgrades and service packages if needed by our customers. SELS also provides options for equipment leasing and installation as a licensed contractor in 17 US states.

10 WHAT TYPES OF PRODUCTS ARE AVAILABLE IN SELS' SOLAR POWERED SYSTEM LINE?

SELS offers a range of solar powered products for lighting, surveillance, and device charging, including street lights, transit systems, bollard lights, pucks and pavers, security cameras, and charging stations. These products can be customized to meet specific project requirements and come with all the necessary components for installation. Additionally, SELS provides turnkey project design, installation, and ongoing maintenance services to ensure customer satisfaction.

11 WHAT ARE THE MAINTENANCE REQUIREMENTS FOR SELS' SOLAR POWERED SYSTEMS?

SELS' solar powered systems require minimal maintenance. It's recommended to periodically clean the solar panel surface to ensure maximum energy generation, as dust and debris can accumulate and reduce efficiency. Battery maintenance, such as checking the connections and cleaning the terminals, may be necessary over time. However, with proper installation and usage, SELS' systems are designed to provide reliable and efficient off-grid power for years with little to no maintenance needed.

www.SELSsolar.com

SELS

SMART ERA LIGHTING SYSTEMS

CONTACT INFORMATION

SELS SOLAR LED LIGHTING

(704) 495-3535

(704) 461-1818

info@**SELS**solar.com

www.**SELS**solar.com

SELS

SMART ERA LIGHTING SYSTEMS

14 Countries

All Light Conditions

All Weather Conditions

THE SELS REVOLUTION

CHANGING THE WORLD
ONE PROJECT AT A TIME

No Outages