

# Solar Powered Security & Lighting Systems

Provided by...



# Introduction

Lighting affects crime by two indirect mechanisms

1. Facilitating surveillance
2. Affect level of crime by enhancing community confidence



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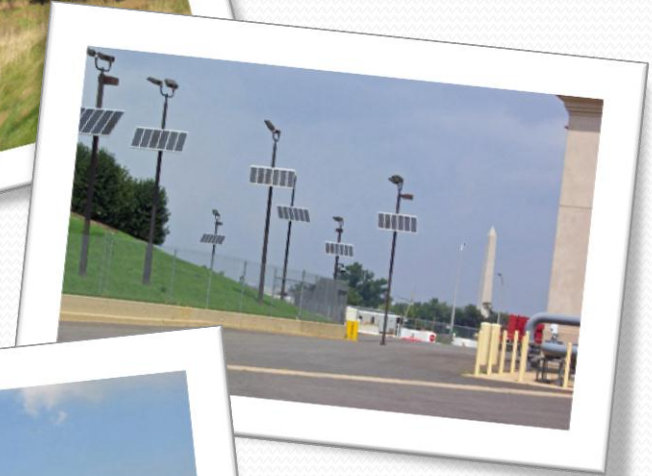


# Perimeter Lighting

Building and facility perimeters require lighting to deter or slow trespassing. The lighting also helps guards and surveillance equipment detect intruders.

By using solar to power the lights, trenching of grid power is not required. The large range of fixtures can provide specific lighting levels to ensure security and reduce light pollution.

The use of motion sensors can be installed to reduce power and provide the element of surprise to the intruder and alert others.



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# Parking Lot Lighting

Parking lots are in high demand for security. Theft and vandalism is high, and without proper illumination, can put people in harms way as well.

Vision provides the most information about the environment, and with proper lighting vision can be enhanced. Illuminance, uniformity, glare, and shadows all play a part in making sure your parking lot is safe.

Using solar to power the parking lot lights allows for lower costs and higher security. The lights do not require any additional trenching or wiring and are completely grid free.



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# Roadway Lighting

Streets and roadways can be dangerous. Lighting the roads improves safety and fewer accidents.

Architectural fixtures are becoming more popular in many areas and can now be incorporated in streetscapes. These fixtures are primarily LED which uses less power than standard HID lights and can provide the same or better lighting levels.

The same solar lights can be used on pathways, sidewalks, bridges, driveways, and many other areas.



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# Camera / Wi-Fi Power

The solar power systems can be used to provide 24/7/365 power for security cameras and Wi-Fi stations. These systems provide added security by being grid free and having a battery backup.

The solar power stations can be designed to operate any power load with DC or AC power. We need to analyze your load or end item and look at the power consumption to ensure that the system will work reliably. Additional days of battery storage can be designed depending on the level of security that the end item needs. Wireless notifications can be sent to a computer if battery failure occurs.



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# Surveillance Equipment Power

Additional types of surveillance equipment can be powered by off grid solar power systems such as satellite monitoring, seismic monitoring, DATA acquisition, RTU / SCADA, and other stand-by power needs.

We team up with end users of items to offer OEM agreements in which your security device can be solar not only to areas where the power grid is available but also open your systems use up to areas where readily usable electrical power is unavailable.

We provide product support and warranties directly with you or your customers.



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# Benefits of Solar

- Controlled vs. Glare Lighting
- Uniform Lighting Levels
- Adaptive Lighting Controls
- Wireless Capabilities
- Pollution Free
- Reduced Dependence on Foreign Oil
- Return on Investment
- Virtually No Maintenance
- Easy Installation
- Batteries Store Extra Power for Use at Night
- Increased Security
- Independence from Utility Instability
- Cost Effective Stand Alone Design
- No need for Construction Costs for Trenching and Wiring
- Federal grants, tax incentives, and rebate programs are available to help with initial costs



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# Thank You!

Thank you for viewing our presentation. [Contact us](#) if you would like more information on your solar lighting or off grid solar power system project.

**SEPCO – Solar Electric Power Company**

7986 SW Jack James Drive

Stuart, FL 34997

800-974-9918

[info@sepconet.com](mailto:info@sepconet.com) – [www.sepco-solarlighting.com](http://www.sepco-solarlighting.com)



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