

SPG Series



**Greenshine**

1-949-609-9636

[sales@streetlights-solar.com](mailto:sales@streetlights-solar.com)

[www.streetlights-solar.com](http://www.streetlights-solar.com)



# SPG series

**Solar-powered generators**

The SPG series is designed for customers that are in need of a remote power generator that can be installed anywhere in the outside environment. The SPG is available with different power output and storage capacity. The SPG features several options with DC output available for our DC-powered LED fixtures, but can also be customized with an AC output that will power any lighting fixture of your choice. The system includes a direct burial pole, that can be removed and installed at another location, making it a very flexible power generator system.

*Our most powerful system will be able to store an approximate capacity of 5kWh that can be used during the night; this is the equivalent of 8 LED flood lights with a power consumption of 60W working for 12 hours. That kind of system will be able to illuminate a standard 48' by 14' size billboard (4 LED on each side) every night.*

## **Features & Benefits:**

- The GS-SPG series features solar panels installed on a single support with adjustable tilt angle.
- The battery assembly, consisting of several batteries, is contained within one or two vented galvanized steel battery boxes and includes a wiring harness and control electronics.
- The systems are built for easy installation with quick connects terminals.
- The system provided includes an 8-foot tall galvanized steel pole for direct burial.
- Every system is available to produce DC or AC power depending on the needs of the device.
- Meets AASHTO 120 mph wind force ratings.
- Powder coating and custom design colors available.
- 5 year maintenance free system.
- Power any solar light fixture (DC powered) with this system.

## **Panel Assembly**

A single array consists of several modules which are integrally mounted and power riveted. The solar panels have a 10 year warranty for 10% power loss and 25 year warranty for 20% power loss.

## **Battery pack**

A double vented galvanized steel box containing several sealed GEL batteries. The system is warranted for 5 years. Battery assembly is complete with all stainless steel mounting hardware.

## **Pole and mounting hardware**

All metallic parts are made of Hot-dipped galvanized steel. The 8' pole is designed to be buried 4' below ground, using the direct burial method. The door on the pole, is used to connect the assembly system to the light fixtures. Wires can be easily buried underground for security against theft. Using AC output option, the distance between the solar generator and the light fixture array, can go up to 100'.

# SPG Series



**Greenshine**

1-949-609-9636

sales@streetlights-solar.com

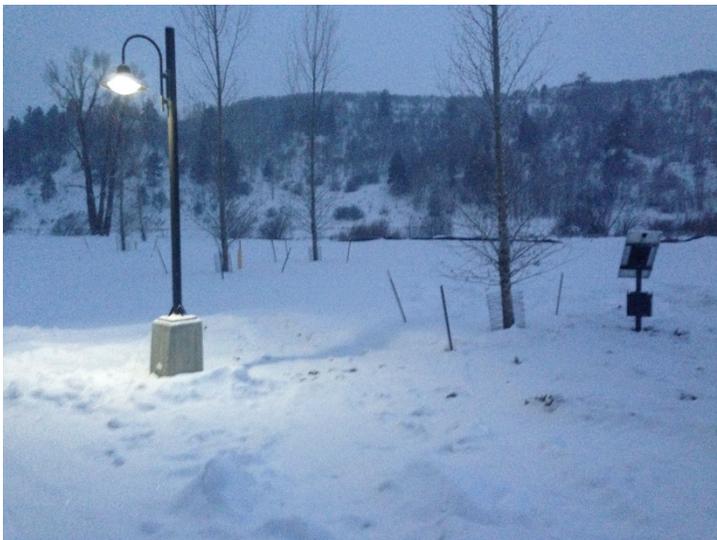
www.streetlights-solar.com

## General specifications:

	SPG-80	SPG-150	SPG-300	SPG-400
<b>Solar panel array</b>	1x80W solar panel	1x150W Solar panel	2x150W Solar panel	4x100W Solar panel
<b>Pole</b>	8-foot high pole, hot-dip galvanized. Direct burial 4'			
<b>Finish</b>	Galvanized, optional powder coating			
<b>Battery capacity</b>	1x80 Ah GEL	1x150Ah GEL	2x150Ah GEL battery	4x120Ah GEL battery
<b>Charge controller</b>	No MPPT controller		MPPT charge controller	
<b>Inverter. DC output system also available</b>	SI350-12230		SI350-24230	SI700-2430
<b>Battery box</b>	Stainless steel battery box, mounted below solar panels			

*\*customized version available on request*

## Remotely-powered solar lights:



Steamboat Springs, CO