



SOLAR OUTDOOR LIGHTING, INC.

STANDARD FEATURES

- UL Listed
- 2-Year System Warranty
- 20-Year Solar Panel Warranty
- Protective Solar Panel Mount
- Maintenance-Free Gel Batteries
- Five-Day Battery Reserve
- Maximum Energy Collection
- Technical Service 800 number

LIGHTING APPLICATIONS

- City Signs
- DOT Signs
- Commercial Signs
- Homeowner Association Signs
- Billboards

BENEFITS

- Immune to Power Outages
- Easy Installation
 - *Modular, pre-drilled
 - *Quick connect plugs
 - *Direct burial
- No Trenching-No wiring
- No Transformers
- No Meters



SOLAR OUTDOOR LIGHTING, INC.

Solar Outdoor Lighting, Inc.

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SGN SERIES



The SGN Series features a totally integrated solar power module with adjustable mounting hardware. The panel can rotate 90 degrees and the mounting arm can revolve 360 degrees. This allows the system to face south for maximum energy collection regardless of the direction of the sign.

The power unit is vandal resistant and modular for easy installation on top of signs, out of harm's way. Each system is sized for the geographical location in which it is to be used to insure a five day battery back-up in case of inclement weather.

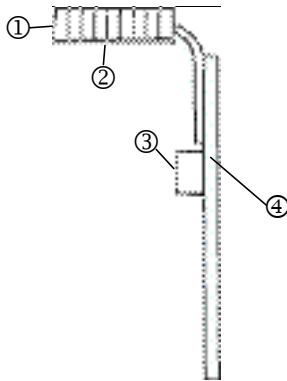
The Floodlight luminaire utilizes Sol's Max-Lite reflector and a high color rendition lamp. The result is a uniformly lit sign with no color distortion.

SGN Series

Solar Power Module Specifications

Lighting system consists of Solar Power Module and Floodlight luminaire. See Standard Luminaires for Floodlight information.

MOUNTING BRACKET ASSEMBLY



1. Solar panels can be revolved 360 degrees and rotated 90 degrees to insure a south facing direction.
2. Solar panels supported and protected with aluminum panel pans.
3. Vented aluminum battery box holds batteries and controller.
4. Sturdy schedule 40 aluminum and stainless steel hardware.
5. Mounts on any pole 4 inch O.D. or greater.

POWER COMPONENTS

| | Single Panel | Double Panel |
|---|--|--|
| Panel Wattage-Output Amps Solarex MSX Series | 53w-3.2A 64w-3.65A 77w-4.55A 83w-4.85A | 106w-6.4A 128w-7.3A |
| Module Dimensions (Inches) | 53w-20x44 64w-20x44 77w-26x44 83w-26x44 | 106w-40x44 128w-40x44 |
| Batteries-Maintenance Free Gell Cell Number-Total Amp. Hour Capacity | 1=80 AH or 1=98 AH | 2=160 AH or 2=196 AH |
| Weight and Effective Projected Area (EPA) Rating(w), Weight (lb)-EPA (sq ft-sf) @ 45 Degrees | 53w-115lb-6.3sf 64w-120lb-6.3sf 77w-130lb-7.6sf 83w-130lb-7.6sf | 106w-170lb-10.5sf 128w-180lb-10.5sf |

CONTROLLERS

| | SCU-1 | Morningstar |
|-------------------------------|-----------|-------------|
| Input Maximum Current | 16 Amps | 20 Amps |
| Load Current Maximum | 20 Amps | 20 Amps |
| Low Voltage Disconnect (LVD) | 10.75 VDC | 11.7 VDC |
| Low Voltage Reconnect (LVR) | 12.35 VDC | 12.8 VDC |
| High Voltage Disconnect (HVD) | 15 VDC | N/A |
| Charge Stop Voltage | 14.4 VDC | 14.1 VDC |
| Dusk Set Point | VOC<4 VDC | VOC<6 VDC |
| Dawn Set Point | VOC>8 VDC | VOC>10 VDC |