

Solar Power Plant (SPP) Solar Generator

(featuring Solis Energy's *Smart Enclosure™*)

Solis Energy offers a complete platform of SP-Series Power Generators to deliver immediate, reliable solar generated electricity to your low wattage, remote applications – anytime and anywhere. A Solis SPP is a cost-effective alternative to pulling traditional AC power. Efficiently power your equipment via nominal 12 / 24 / 48 vDC or regulated 0-60 vDC, Power over Ethernet (POE), or inverter supplied AC. Applications include: remote wireless networking and communications, security equipment, video surveillance, telemetry equipment, power conditioning, SCADA and intelligent traffic controls.

Significantly reduce your capital expenditures.

Running power cables to your remote applications costs your company both time and up-front money. A Solar Power Plant from Solis Energy provides you with an immediate, reliable and cost-effective solution to your remote power requirements. Contact us to find out how we can help you reduce your capital expenditures by installing a solar power solution instead of utilizing traditional facility power.



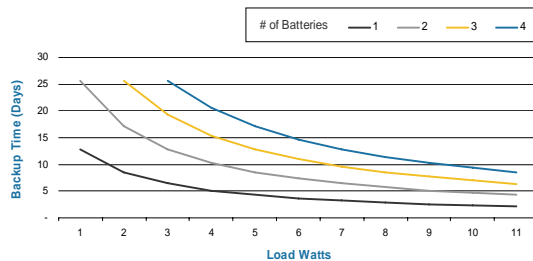
Smart design that simplifies your life.

Solis Energy's *Smart Enclosure™* is the only “smart” solution available on the market today. It provides you with a unique alternative to design an easy, flexible power solution where usable power is not available.

- **Error-free installation and continuous operation.** Our *Smart Enclosure™* was designed by engineers with actual field experience, so you can count on it being completely installer friendly for reliable, in-field set-up. Cable glands are designed to be large enough to accommodate pre-terminated Ethernet or antenna cables. Choose from our standard MC Connectors or we can install the connector specific to your application to eliminate in-field wiring. Everything can be pre-configured and tested in your office which minimizes the amount of work on-site and reduces the chance of error during in-field installations.
- **Reliable power.** Our standard systems are designed to provide continuous power for **7 full days** without sunlight. Ask about our other standard systems available to fit your specific application needs.
- **Rugged construction.** Durable heavy-gauge NEMA 4X powder-coated aluminum enclosure and quality components assure long system life and continuous power delivery over a wide range of climate and temperature variations (-4 - 140°F, -20 - 60°C). Designed for pole, wall or pedestal mounting.
- **Versatile.** Efficiently power your equipment via nominal 12 / 24 / 48 vDC or regulated 0-60 vDC, Power over Ethernet (POE), or inverter supplied AC.

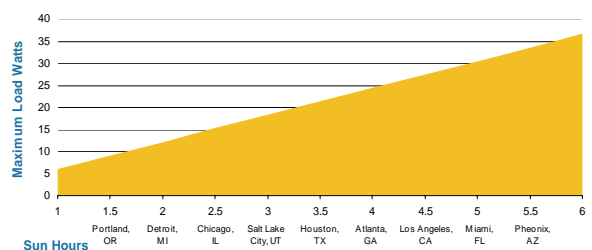
(Refer to the following charts to determine proper system size for your application - based on load requirement & sun hours available)

Backup Time in Days:



Note: SPP 24220 (24v DC system) requires 2 or 4 battery configurations only.

Maximum System Load Capacity:



Sun Hours

Portland, OR 1.5 Detroit, MI 2 Chicago, IL 2.5 Salt Lake City, UT 3 Houston, TX 3.5 Atlanta, GA 4 Los Angeles, CA 4.5 Miami, FL 5 Phoenix, AZ 5.5

Solis Energy's SPP 12220 & 24220 Series Specifications:

PARAMETER	SPP 12220-31x	SPP 24220-31x
GENERAL		
Design Autonomy	Approximately 7 days	
Nominal Output Voltage	12 vDC	24 vDC
Solar Array	110 Watts, Quantity: 2 Panels	
Array Dimensions	112.2" x 50.8" x 2.2"	
Array Weight	50.8 lb / 23 kg	
BATTERY Specifications		
Voltage	12V (nominal)	
Capacity at 20hr rate, 25° C (77° F)	98Ah (1, 2, 3 or 4 battery configuration)	98Ah (2 or 4 battery configuration)
Type	Deep cycle, gelled-electrolyte lead-acid	
Weight	70 lbs (each)	
PANEL		
Maximum Power Rating	110 Watts	
Maximum Power Current	6.43 Amps	
Maximum Power Voltage	17.1 Volt	
Fuse Rating	15 Amps	
Dimensions (cm)	56.1" x 25.4"x 2.2" (142.5 x 64.6 x 5.6)	
Weight	25.4 lb (11.5 kg)	
SYSTEM ENCLOSURE		
Dimensions	48"h x 16.5"w x 13.25"d	
Mounting	Pole, Pedestal, Wall	
SYSTEM OPTIONS		
Source Wiring	MC connector	
DC Power Distribution	24 vDC, 48 vDC, POE	12 vDC, 48 vDC, POE
AC Power Distribution	120 vAC, 240 vAC	
Load Wiring	MicroC 4 Pole, MicroC 8 Pole	

The above specifications list only one of our multiple standard product configurations. Contact us to find out how we can manufacture a specific solution to fit your custom application.



Smart solutions for continuous outdoor power.