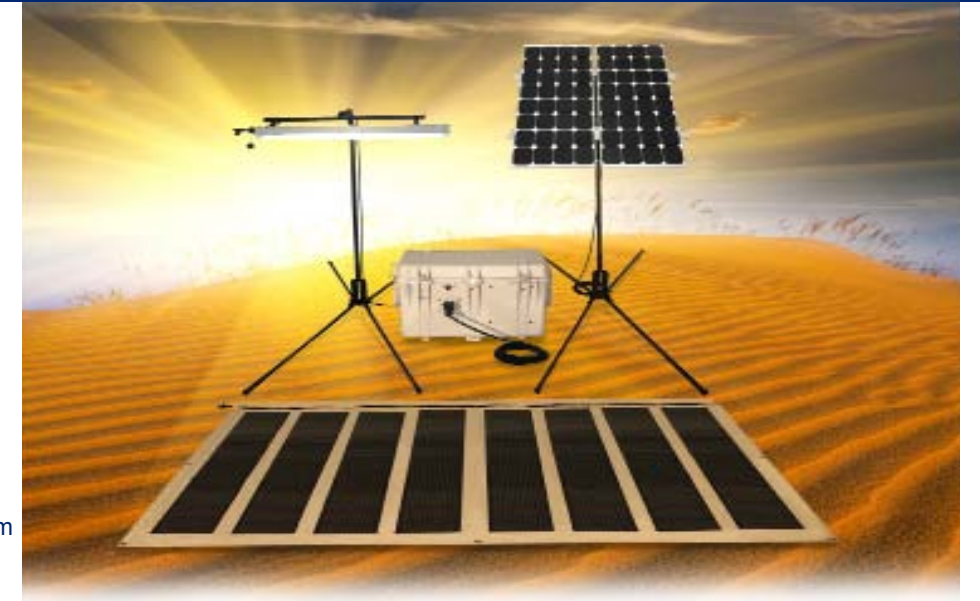


YOUR BEST CHOICE FOR
GREEN ENERGY

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CUSTOMIZED • PRE-ASSEMBLED • INSTALLS IN MINUTES

Sun-In-One POS™

Portable Off-grid Solar Power Systems in a Kit

American-made Sun-in-One POS™ is one of the most powerful and complete stand-alone portable solar generation and storage systems available. It is designed for powering the patented lights — and more — in the field, and can be modified for other applications where high power and high energy density are critical.

These custom all-in-one modular systems are pre-assembled and packaged to provide easy and fast access to powerful, dependable, long-lasting solar energy.

- **FAST.** In minutes, you can expect to power lights for days...or even weeks.
- **VERSATILE.** The modular design of the POS™ allows additional capacity to power water purification systems, air conditioning and heating systems, electronic equipment, and more.

Kits Feature Four Key Components

I. Power Unit

- AGM batteries.
- Solar charge controller.
- Maximum Power Point Technology (MPPT).
- DC and AC charger & protection.
- Additional ports for optional solar array, lighting, water purification system or air conditioning and heating system.

II. High Efficiency Patented Lighting

- One of the most powerful & expandable systems available.
- Each set of two LED lights produces 5800 lumens.
- Patented DC lighting set – uses only 1.5 amps per hour.
- Power lights 24 hours a day up to 5 days before recharge.
- Generator with a built-in sensor that constantly recharges the batteries and runs the lights.

III. Solar Panels

- Crystalline solar panels come with rack mounting system.
- Also available: Flexible solar panels that can lie flat on the ground or be attached to a tent.

IV. Industry-Leading Portable Power System

- Lights up to two 12'x16' tents, with each lighting unit generating 5800 lumens, with system box 50' away.
- Can accommodate up to four sets of lights and two additional battery boxes that provide up to 480 amp hours.
- Expansion can accommodate water purification, air conditioning and heating systems.

OTHER APPLICATIONS

Sun-In-One POS™ Kits are expandable and can be customized for use in a variety of other applications where high power and high energy density are critical, from water purification systems to HVAC systems, and more.

The Water Purification System Kit

- Purifies up to 860 gallons of water per day.
- The system runs on 2.2 amps per hour and charges at up to 6.8 amps per hour, allowing the system to recharge in most weather conditions.
- Runs up to 3 days before recharging is needed.
- 24 volts accessible through two external plugs implanted into the wall of the custom Pelican® case that houses the battery pack.

The HVAC Kits

- 18000 BTU cooling capacity and 20,500 BTU heating capacity.
- Quiet operation.
- 100% DC with no inverter conserves energy.
- Variable speed compressor.
- Daytime and night time operation.

Sun-In-One POS™
PORTABLE OFF-GRID SOLAR POWER SYSTEMS IN A KIT
Powerful in the Field

Call Wise Power Systems to discuss options and pricing and find out how we can customize a Kit for your specific need.



YOUR BEST CHOICE FOR
GREEN ENERGY

Advanced Energy Products & Systems

(847) 952-1066

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Powerful in the Field

I. Power Unit

- AGM battery life cycle is 3000 at 20% of depth of discharge.
- Non-toxic components.
- Twin 24-Volt DC power ports for lighting and water purification system connections.
- 140 amp hour stores 3,360 watt-hours of energy.
- Will not ignite or explode.
- Protective and regulatory circuitry included to protect against over-discharge, over-charge, and excessive discharge.
- Weighs 50% less than lead acid batteries of comparable charge capacity.
- AC-powered battery charger configured for 24-volt AGM battery packs.
- Battery can charge directly from solar panels using the solar charge controller through our custom configuration for 24-volt Lithium Ion battery packs
- The battery can also be charged by a generator or the electrical grid.
- Multiple battery cases may be combined using simple connector cables to provide a modular increase in storage capacity and power output (e.g. two battery cases combined provide more than 10,000 kilowatt-hours of storage capacity).
- Optional 180 amp hour Lithium Ion battery.
- Battery monitor, with digital LCD display of battery voltage, including readouts of charging and discharging data, time-to-go information, solar amps, outgoing amps, detailed error messages, and other metering and data-logging information.
- Packed in custom military-spec hard Pelican® case.

SOLAR PANEL CONTROLLER and CUSTOM PELICAN® CASE

Solar Panel Controller

- Sophisticated, custom programmed, 15-amp unit.
- Maximum Power Point Technology (MPPT), configured specifically for our series of battery packs, optimizes the electronic relationship between solar panel and battery and can accelerate the rate at which the battery can be solar-charged by up to 100% per day.
- Baseline, continuous power consumption of 2.7 watts; 99% efficiency; protects against over-current & short circuit.
- Can be turned off on circuit breaker in Sun-In-One POS™ box when stored or not used for a prolonged period.
- All custom connector cables are included.

Custom Pelican® Case

- Dimensions: 28.20" x 19.66" x 17.63" (71.6 x 49.9 x 44.8 cm); water resistant, dust-proof, and crush-proof
- Includes custom generator cords, 50' solar panel cord, and 50" lighting cord
- Cross-ventilated by custom-controlled fans powered by a 12VDC fan through the main battery pack case.
- Wheels and extendable handle, rated to 350 lbs.

II. High Efficiency Patented Lighting

- Set of two LED lights provide 5800 lumens that run on both DC and AC power.
- Each light uses only 1.5 amps per hour each, with occupancy sensor to conserve power.
- Basic system generates 6.8 amps per hour, allowing the system to recharge in most weather conditions.
- System will power the lights for 24 hours a day for up to 7 days before recharging is required.
- System will run up to 4 sets of lights & more with additional battery boxes.
- Lights will run on AC through the generator that also recharges the batteries at the same time.
- System will light a 12' X 16' tent.
- System box can be up to 50' away from light.
- Custom waterproof case.

III. Solar Panels

Crystalline Solar Panels and Rack Mounting System

- Set comprises two 100-watt aluminum framed mono-crystalline solar panels of tempered glass.
- 6.06 amps/24 volt — (2) 20.7" x 40.8".
- 21 lbs. per set.
- 8 tilt angles per panel, each with an eyehook at the bottom for secure installation.
- Custom Pelican® case that also can accommodate the lights.

Rack Mounting System

- Adjustable tilt angle to maximize solar production.
- Sustains winds up to 100 mph.
- Collapsible racks packed in separate canvas carrying case.
- Can be staked or ballasted, using the power box.

Also Available: Flexible Solar Panels

- Thin, lightweight, flexible solar panels roll up to the size of a backpack.
- 190 watt amorphous solar panels.
- 6 amps/24 volt — 108" x 95".
- Durable enough to be walked on.
- Custom Pelican® case.