

MAPPs system powering utility wireless smart meter network in Alameda, CA.



Since 1996, Solar Electric Supply (SES) has been a leading manufacturer of integrated photovoltaic power systems and a major wholesale distributor of photovoltaic modules and system components.

SES specializes in supplying dealer, contractor and industrial accounts worldwide with **reliable, cost-effective solar electric solutions.**

SES enables your technology to be reliably and cost-effectively powered in the field!

SES's experience in component selection and system integration ensures the highest degree of reliability and system performance. Company wide, our sales, marketing, engineering, accounting, shipping and sales personnel are dedicated to complete customer satisfaction.

Some of our customers include:

- Boeing
- Caltech Pasadena
- Chesapeake Energy
- City of Scottsdale
- Dow Chemical
- NASA
- NRG
- PG&E
- SAIC
- State of California
- Southern California Edison
- Rockwell Automation
- U.S. Department of Defense
- U.S. Air Force, Army, Navy

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MAPPs™

MODULAR AUTONOMOUS PHOTOVOLTAIC POWER SUPPLY

SOLAR POWER FOR REMOTE APPLICATIONS



OB Series at Kentucky U.S. Air Force Base



Utility microwave repeater network



Wireless security camera mobile trailer



Seismic Monitoring on a remote island

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Our Manufacturing Partners





MAPPS™

MODULAR AUTONOMOUS PHOTOVOLTAIC POWER SUPPLY

SOLAR POWER
FOR REMOTE
APPLICATIONS

DESCRIPTION

Solar Electric Supply's **MAPPS™** are stand-alone photovoltaic power systems, engineered to support a wide variety of remote power requirements. All **MAPPS** are complete, pre-packaged systems consisting of:

- UL Listed Photovoltaic Modules
- Sealed, Maintenance-free Batteries
- Rugged Battery Enclosure
- Pre-wired Charge / Load Controller
- Lightning Surge Protection
- High Quality Aluminum Mounts
- Wiring Harness
- Installation Manual and Schematics

APPLICATIONS

- Wireless Smart Meters
- Gas Valve Automation
- Transmission Tower LED Lighting
- WiFi WiMax
- Broadband
- Security Systems
- Telemetry
- Flow Monitoring
- Cathodic Protection
- SCADA RTU
- Microwave Relay
- VSAT
- Environmental Monitoring
- Street/Area/Landscape Lighting



SES Hybrid solar and helical axis turbine wind power system for US Navy R&D.



Large battery enclosures for MAPPS solar powered air monitoring system.

EXPERIENCE

SES **MAPPS™** systems are reliably powering thousands of critical loads around the globe. Using proprietary computer modeling/design programs and an experienced SES technical staff, **MAPPS** are designed to ensure year-round power availability.

PRODUCT BENEFITS

- Reliable
- Cost-effective
- Low Maintenance
- Easy Installation
- Modular Design
- Self-contained
- Low Voltage
- No Generator
- No Trenching
- Simplified Permit Procedures



Available Now!

MAPPS™
CSA Approved
Class 1 Division 2
Hazardous
Location Solar
Power Systems

RELIABILITY

MAPPS systems represent the highest standard of reliability. All components have passed rigorous testing and are suitable for use in the harshest of environments. Each complete **MAPPS** system is individually tested at SES production facilities, assuring trouble-free operation right from the start.

MAPPS systems are made in the USA and qualify for Buy America programs.

DURABILITY

MAPPS are built tough without compromise. They are designed for all weather conditions, from the North Slope of Alaska to the Arabian Desert. **MAPPS** photovoltaic modules exceed Jet Propulsion Laboratory Block V durability tests, are UL listed, rated for Class I Division II hazardous areas. Photovoltaic module design life is 25 to 40 years.



MAPPS FAA solar obstruction lighting system

Oil/Gas & Water Industry

MAPPS systems cost-effectively power remote monitoring, radios, SCADA/RTU, & cathodic protection equipment.



Lighting Applications

MAPPS are powering FAA LED obstruction lights for wind farms, utility & telecom towers, street/area lighting, and bus stop shelters.



Wireless Applications

MAPPS reliably power wireless security camera systems, perimeter security, WiFi & WiMax broadband & rural telecom.



Seismic monitoring system powered by MAPPS system on a remote island off Baja California

