



CLASS 1 DIVISION 2 CERTIFIED MAPPS PHOTOVOLTAIC SYSTEMS

SES C1D2 Certified PV Systems Specifications Sheet

To support loads from 1 – 100 watts

For two decades, the Solar Electric Supply team has been providing solar energy solutions to customers just like you, and using our talent and experience to provide a quality solution. We offer a full range of services – from a broad array of products to engineering and design/build capabilities. Our full document control ensures access to your diagrams and records, and our QA/QC procedures ensure a quality system is delivered.

SES MAPPS C1D2 Systems Overview

- High efficiency Class I Div II Certified industrial duty solar panels with 20+ year warranty
- Heavy-duty aluminum pole mounting structure with stainless steel hardware for 2-4" pole sizes, high wind speed option
- NEMA 3R UL Listed durable powder-coated white aluminum battery control and NEMA 4X component enclosure, lockable, includes sticker on inside door with specific Class I Div II certification
- Sealed gel cell, maintenance free, deep-cycle, non-spillable batteries, UL Recognized, long cycle life
- Advanced PWM Charge Control, Class I Div II rated, with low voltage load protection and temperature compensated battery charging
- Control mounted and pre-wired on DIN rail and backplate with circuit breaker overload protection for solar/battery/load
- Extra room for your equipment: 12 cu/in of extra space in the electronics compartment. There is plenty of room for you to add your own Class I Div II rated SCADA, radio, GPS, telemetry, VSAT, Wi-Fi or other electronic equipment.



Suited to harsh environments

These safe, reliable, durable, and rugged systems are designed to require minimal maintenance and long life. Twenty-year design life (with battery replacements approximately every five to seven years).

C1D2 System Reliability

C1D2 certified solar electric systems have no moving parts. Solar Electric Supply deals only in modules and components with the highest international standards, such as Underwriters Laboratories (UL) and ETL Intertek listings in the US, and approval by the Commission of the European Communities (CEC) in Europe.

Conforms to:
ISA STD 12.12.01 &
UL STD 508A
Certified to:
CSA STD C22.2 Nos.
213 & 14 Class I Div 2
Hazardous Locations



Easy deployment

Most systems and components are stocked for quick delivery.

Enclosures are factory assembled and tested for easy and quick field deployment. (Batteries may be field installable.)

Customers around the globe rely on Solar Electric Supply because we deliver:

- Excellent Support
- Superior Integration
- Well recognized, High-quality Products
- Speed of Delivery
- Engineered to NEC, IEEE, and Industry Standards
- Troubleshooting Services

| 12 VDC C1D2 MAPPs Model | PV Watts | Battery Amp-Hr | List Price |
|--------------------------------|-----------------|-----------------------|-------------------|
| MAPPs 30-99-12 C1D2 | 30 | 99 | \$ 4,585 |
| MAPPs 50-99-12 C1D2 | 50 | 99 | \$ 4,671 |
| MAPPs 50-198-12 C1D2 | 50 | 198 | \$ 5,228 |
| MAPPs 90-99-12 C1D2 | 90 | 99 | \$ 4,793 |
| MAPPs 90-198-12 C1D2 | 90 | 198 | \$ 5,350 |
| MAPPs 150-198-12 C1D2 | 150 | 198 | \$ 5,768 |
| MAPPs 150-396-12 C1D2 | 150 | 396 | \$ 7,419 |
| MAPPs 300-198-12 C1D2 | 300 | 198 | \$ 6,674 |
| MAPPs 300-396-12 C1D2 | 300 | 396 | \$ 8,325 |

| 24 VDC C1D2 MAPPs Model | PV Watts | Battery Amp-Hr | List Price |
|--------------------------------|-----------------|-----------------------|-------------------|
| MAPPs 80-99-24 C1D2 | 80 | 99 | \$ 5,360 |
| MAPPs 100-99-24 C1D2 | 100 | 99 | \$ 5,804 |
| MAPPs 100-198-24 C1D2 | 100 | 198 | \$ 7,455 |
| MAPPs 120-99-24 C1D2 | 120 | 99 | \$ 5,848 |
| MAPPs 120-198-24 C1D2 | 120 | 198 | \$ 7,499 |
| MAPPs 190-99-24 C1D2 | 190 | 99 | \$ 5,892 |
| MAPPs 190-198-24 C1D2 | 190 | 198 | \$ 7,543 |
| MAPPs 300-99-24 C1D2 | 300 | 99 | \$ 6,686 |
| MAPPs 300-198-24 C1D2 | 300 | 198 | \$ 8,337 |
| MAPPs 380-198-24 C1D2 | 380 | 198 | \$ 8,573 |
| MAPPs 570-198-24 C1D2 | 570 | 198 | \$ 9,537 |

Call for a FREE system sizing and quotation today!
877-297-0014

104 Whispering Pines Dr #101
Scotts Valley CA 95066
www.solarelectricsupply.com

Tel: 831-462-8243
Fax: 831-462-8246
Toll Free: 877-297-0014