



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

- Enclosures come pre-assembled and pre-wired, for quality control, Listing certification and quick installation
- Designed for 2"-4" SCH40 pole mount
- Array sizes: from 10W to 600W
- Battery capacities: from 100AH to 400AH
- System voltage: 12 or 24 volts DC
- Solar modules and regulators are UL listed and certified
- Batteries are maintenance-free Gel VRLA (valve regulated lead acid, also known as recombinant), for deep cycle operation and extended life in solar applications
- Charge regulators include Low Voltage Disconnect (LVD) and temperature compensation
- Enclosures Certified and are powder coated aluminum for corrosion resistance and include pad lock hasps.
- Electronics are housed in a separate compartment
- Circuit breakers are included as a means of disconnect and for short circuit protection
- Systems use C1D2 certified PV Modules
- External wiring sold separately

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

Class 1, Division 2 Groups
A, B, C, D, T6



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 90-99-24 C1D2	90	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	200	99	\$ 5,892
MAPPS 190-198-24 C1D2	200	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	400	198	\$ 8,573
MAPPS 570-198-24 C1D2	600	198	\$ 9,537

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