



# SPS-6

SPECIALTY DEVICES

## SPS-6 SOLAR POWER SUPPLY

### DESCRIPTION

The SPS-6 Solar Power Supply provides a power source remote telemetry when a 120VAC or 12VDC power supply is not be available or when power by a renewable power source is desirable. The SPS-6 Solar Power Supply is a turn-key solution and includes everything you need to implement a solar-power supply:

- Two Solar Panels
- Solar Panel Mounting Bracket
- Charge Controller
- Interface Circuitry
- Battery
- NEMA 4X Enclosure 16"x12"x6"
- Internal Chassis and Mounting Hardware



A full battery charge results in about two weeks of "hold up" for a 20mA load with no additional sunlight. All components, except the solar panel, mount inside a 16" X 12" X 6" NEMA 4X high-impact ABS enclosure providing a rain-tight and dust-tight environment, pre-wired for a truly quick and convenient implementation. Installation is quick and easy. Simply mount the enclosure and solar panel on the supplied bracket. Make the connections of the solar panel and load to the Interface Circuit Board.



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### SPECIFICATIONS

#### ELECTRICAL

|                         |                          |
|-------------------------|--------------------------|
| Power Input:            | Two 30 Watt Solar Panels |
| Output Voltage:         | 12 VDC                   |
| Charge Current:         | 500 mA Max               |
| Battery Capacity:       | 50 Amp-hour              |
| Battery Discharge Rate: | 12 mA                    |
| Battery Recharge Time:  | Approximately 6 hours    |

#### MECHANICAL

|                                |   |
|--------------------------------|---|
| Mounting:                      | Any position for enclosure; Properly oriented for solar panel |
| Enclosure Material and Rating: | Fiberglass NEMA 4X  |
| Enclosure Size:                | 16" wide, 12" high, 6" deep                                   |
| Weight:                        | 30 pounds   |

#### Environmental

|                    |  |
|--------------------|--|
| Temperature Range: | -38° C to +70° C, -38.4° F to +158° F                                      |
| Humidity:          | 0 to 98% non-condensing  |
| Options:           | 5VDC Output at 1 amp max (SPS-6-5)<br>15VDC Output at 1 amp max (SPS-6-15) |

All specifications are subject to change without notice.