



SPECIALTY DEVICES

SPS-1 SOLAR POWER SUPPLY FOR PRL-1200 TRANSMITTER

DESCRIPTION

The SPS-1 Solar Power Supply provides a power source for times when a 120VAC or 12VDC power supply is not be available at the meter for the PRL-1200 Wireless Pulse Link's PRT-1200 Transmitter. The SPS-1 Solar Power Supply includes everything you need to implement a solar-powered PRT-1200 Pulse Radio Transmitter at the meter:

- Solar Panel
- Solar Panel Mounting Bracket
- Charge Controller
- Battery
- NEMA 4X Enclosure



A full battery charge results in an excess of two weeks of operation of the PRT-1200. All components, except the solar panel, mount inside a 12" X 10" X 6" NEMA 4X fiberglass enclosure providing a rain-tight and dust-tight environment, pre-wired for a truly quick and convenient implementation. The PRT-1200's base unit, the PRT-12-12VDC (sold as part of the PRL-1200 System) mounts in the enclosure also. Installation is quick and easy. Simply mount the enclosure and solar panel on the supplied bracket. Then make the connections of the solar panel to the charge controller and the pulse output of the meter to the Base Unit.

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SPECIFICATIONS

ELECTRICAL

Power Input:	20 Watt Solar Panel
Output Voltage:	12 VDC
Charge Current:	500 mA Max
Battery Capacity:	15 Amp-hour
Battery Discharge Rate:	6 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:	12" wide, 10" high, 6" deep
Weight:	18 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-1-5) 15VDC Output at 1 amp max (SPS-1-15)

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