



# SPS-1

## SPECIALTY DEVICES

# SPS-1 Solar Power Supply for PRT-900 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-900 Wireless Pulse Link's PRT-900 Transmitter. The SPS-1 Solar Power Supply includes everything you need to implement a solar-powered PRT-900 Pulse Radio Transmitter at the meter:

- Solar panel
- Charge controller
- Battery
- NEMA 4X enclosure

One battery charge results in an excess of two weeks of full operation of the PRT-900. 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-900's base unit, the PRT-2-12DC (sold as part of the PRL-900 System) mounts in the enclosure also. Simply mount the enclosure and solar panel on the supplied bracket. Make the connections of the solar panel to the charge controller and the meter to the Base Unit.





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## SPECIFICATIONS

### ELECTRICAL

Power Input:	5 Watt Solar Panel
Output Voltage:	12 VDC
Charge Current:	500 mA Max
Battery Capacity:	7 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:	2 pounds

### Environmental

Temperature Range:	-40° C to +85° C, -40° F to +185° F
Humidity:	0 to 98% non-condensing

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