



Series: SPS-PCP

## Off-grid Solar Power System for Meters & Instrumentation



### FEATURES & BENEFITS

- Choice of 3 or 5-day Battery Reserve Power
- Provides Both 12 and 24 Vdc Output for Equipment
- NEMA 3R Powder Coated Metal Enclosure
- Preassembled, Prewired, Ready-To-Install
- Deep-cycle SLA Maintenance Free Solar Battery

### APPLACATIONS

- Wireless Sensors, Transmitters, Base Stations, Modems
- Process Controls, Instrumentation
- Oil & Gas Instrumentation
- Irrigation Drip System, Water Pumping, Valves
- Pond Aeration System
- Flow Meters, pH Transmitters Level Sensors
- SCADA & Radio Telemetry Systems

### DESCRIPTION

Each system comes pre-wired and includes a solar panel, NEMA 3R powder coated metal enclosure with a gasketed hinged door and closure buckles, solar panel bracket, solar charge controller, 24V dc-dc converter, fusing, solar power cables, lightning/surge protection module and SLA solar battery. Each model includes all the required system components to get you up and running right out of the box. Just mount and connect the included solar panel, install and connect your equipment, flip the internal circuit breaker and you done.

**Each System Features Quality Components All Pre-installed, Pre-wired and Fully Tested!**



Solar Charge Controller



24V DC-DC Booster/ Regulator



SLA Rechargeable Battery



Lightning/Surge Module

## General Specifications

Series: **SPS-PCP**

- Operating Temperature:** -40 to 140 °F (-40 to 60 °C)
- Wire Connections:** Din-rail Terminal Blocks (14 – 24 AWG)
- Solar Panel Bracket:** Aluminum, Pole Mount
- Output Power for Equipment:** 12Vdc, 24Vdc
- Output Capacity (Watts/day):** See model tables
- Lightning/Surge Module:** 500V (Silicon Oxide Varistor)
- Solar Power Cables:** 14 AWG, 9' long, MC4 Connectors
- Enclosure:** NEMA 3R, Powder Coated GA
- Enclosure Dimension:** 12 x 12 x 10" (305 x 305 x 254mm)
- Battery Reserve:** See model tables



Solar panels feature provide excellent low light performance. Panels feature a heavy duty extruded aluminum frame with high transparency, low-iron tempered glass.

Note: Mounting pole note included. Requires 2" standard metal conduit pole for mounting.

## Available Models

Model Number	SPS-PCP3-12-24VDC-10W-18	SPS-PCP5-12-24VDC-10W-26
Output Capacity	26 Watts/day	26 Watts/day
Solar Panel	10 Watt, 18V	10 Watt, 18V
Charge Controller	4.5 A	4.5 A
Battery Capacity	12V, 18 Ah	12V, 26 Ah
Reserve Time @ Rated Capacity	3 Days (72 Hrs)	5 Days (120 Hrs)

Model Number	SPS-PCP3-12-24VDC-20W-26	SPS-PCP5-12-24VDC-20W-35
Output Capacity	36 Watts/day	36 Watts/day
Solar Panel	20 Watt, 18V	20 Watt, 18V
Charge Controller	4.5 A	4.5 A
Battery Capacity	12V, 26 Ah	12V, 35 Ah
Reserve Time @ Rated Capacity	3 Days (72 Hrs)	5 Days (120 Hrs)

Model Number	SPS-PCP3-12-24VDC-30W-35	SPS-PCP5-12-24VDC-30W-55
Output Capacity	55 Watts/day	55 Watts/day
Solar Panel	30 Watt, 18V	30 Watt, 18V
Charge Controller	4.5 A	4.5 A
Battery Capacity	12V, 35 Ah	12V, 55 Ah
Reserve Time @ Rated Capacity	3 Days (72 Hrs)	5 Days (120 Hrs)

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