



Model: SPS-12VDC-10W

## Off-grid Solar Power System



### FEATURES & BENEFITS

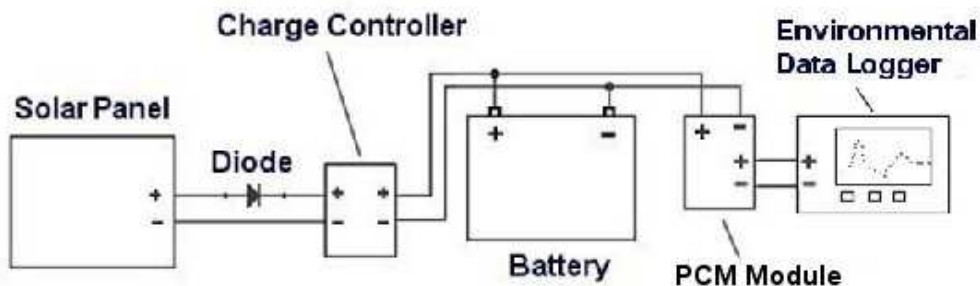
- 10 Watt Solar Panel
- Low Power, Economical System Design
- Weatherproof NEMA Rated Enclosure
- Preassembled, Prewired, Ready-To-Install
- Internal Din-rail Track For Equipment Mounting

### APPLACATIONS

- Wireless Sensors, Transmitters, Base Stations
- Process Controls, Instrumentation
- LED Lighting, Pool & Spa Controls
- Irrigation Drip System, Water Pumping, Valves
- Security System, Surveillance Equipment
- Pond Aeration Systems

### DESCRIPTION

Models come factory preassembled, prewired and include a weatherproof, vented non-metallic enclosure with a gasketed hinged door and closure buckles. 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.



Application Example: Providing power for environmental monitoring in remote location

# Model: SPS-12VDC-10W

## Solar Panel

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

## Charge Controller

Specifically designed for 12 Volt System charging, the controller in this system features precise voltage and current regulation and over voltage cut off protection.

## Rechargeable Battery

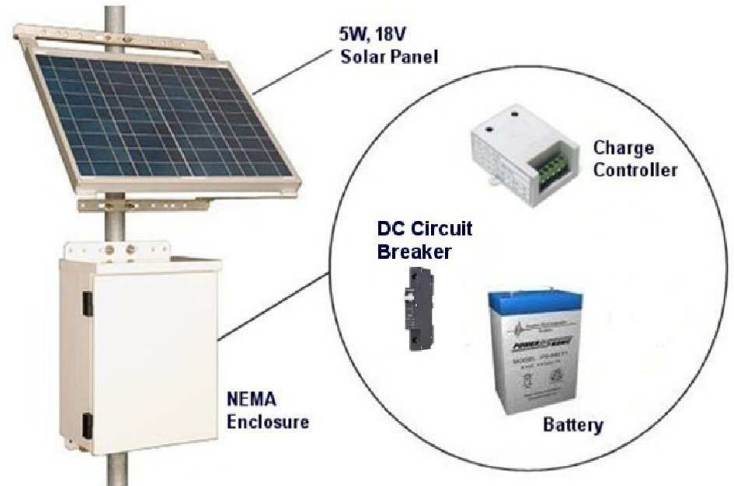
Maintenance free, long life, high-energy sealed Lead Acid design provides years of reliable service under the most extreme conditions.

## GENERAL SPECIFICATIONS

Operating Temperature: -40 to 140 °F (-40 to 60 °C)

System Enclosure: PC/PBT blend, NEMA 4 (IP66)

*Complete System Includes Solar Panel, Charge Controller, Battery, Enclosure, Grounding Cable, Clamp and Mounting Kit.*



Model Number	SPS-12VDC-10W-7	SPS-12VDC-10W-12	SPS-12VDC-10W-18	SPS-12VDC-10W-26
<b>Output Capacity Letter Code</b>	<b>B1</b>	<b>B1</b>	<b>B1</b>	<b>B1</b>
<b>Solar Panel Capacity</b>	10 Watt, 18V	10 Watt, 18V	10 Watt, 18V	10 Watt, 18V
<b>Charge Controller</b>	6 A	6 A	6 A	6 A
<b>Battery Capacity</b>	12V, 7 Ah	12V, 12 Ah	12V, 18 Ah	12V, 26 Ah
<b>Battery Life*</b>	4+ years	4+ years	4+ years	4+ years
<b>Regulated Output</b>	12 Vdc	12 Vdc	12 Vdc	12 Vdc
<b>System Reserve Time</b>	35 hrs	60 hrs	90 hrs	130 hrs
<b>Enclosure Size</b>	12 x 8 x 6.4" (304 x 203 x 162 mm)	12 x 8 x 6.4" (304 x 203 x 162 mm)	12 x 8 x 6.4" (304 x 203 x 162 mm)	12 x 8 x 6.4" (304 x 203 x 162 mm)

\*Battery life is dependent on total system load, depth of charge cycles and ambient temperature conditions.

Includes: Solar Panel, Charge Controller, Circuit Breaker, Battery, Enclosure, Fuse, Mounting Kit, Ground Wire

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Note: Continued product improvements make specifications subject to change without notice.  
Check www.imagineinstruments.com for the latest product information and updates

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