



Series: SPS2-ACLP

Solar Power System for Low Power 120VAC Equipment



FEATURES & BENEFITS

- All Models Feature 2-Day Battery Reserve
- Provides 120VAC Output
- Rainproof NEMA 3R Metal Enclosure
- Preassembled, Prewired, Ready-To-Install
- Deep-cycle Maintenance Free Battery
- Includes Lightning/Surge Protection Module

APPLACATIONS

- Transmitters, Base Stations, Modems
- Process Controls, Instrumentation
- Sign or Landscape Lighting Systems
- Pond Aeration Systems
- Small Appliances & Power Tools
- SCADA & Radio Telemetry Systems

DESCRIPTION

Features a solar panel, NEMA 3R powder coated metal enclosure with a gasketed hinged door and closure buckles, solar panel bracket, solar charge controller, 120VAC power inverter, fusing, solar power cables, lightning/surge protection module and a deep-cycle rechargeable 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.



120VAC Power Inverter



Deep-cycle SLA Battery



Lightning/Surge Module

General Specifications

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

Wire Connections: Din-rail Terminal Blocks (14 – 24 AWG)

Solar Panel Bracket: Aluminum, Pole Mounted

Output Power: 120VAC

Lightning/Surge Protection: 500V External Module

Output Capacity: See model tables

Battery Backup Reserve: 2-days (48 Hrs) Based on listed Watts/day capacity

System Enclosure: NEMA 3R, Painted Metal, Pole or Wall Mounted

System Enclosure Size: See model table

Available Models

Model Number	SPS2-ACLP-48W	SPS2-ACLP-72W	SPS2-ACLP-96W
Output Capacity (Total Watts/day)	48	72	96
Solar Panel	30 Watt, 18V	40 Watt, 18V	60 Watt, 18V
Charge Controller	12V, 7 A	12V, 7 A	12V, 7 A
Battery Capacity	12V, 28 Ah	12V, 35 Ah	12V, 55 Ah
120VAC Power Inverter Capacity	100W	100W	100W
Battery/System Enclosure Size	12 x 12 x 10"	12 x 12 x 10"	12 x 12 x 10"

Model Number	SPS2-ACLP-144W	SPS2-ACLP-180W	SPS2-ACLP-204W
Output Capacity (Total Watts/day)	144	180	204
Solar Panel	100 Watt, 18V	120 Watt, 18V	130 Watt, 18V
Charge Controller	12V, 7 A	12V, 10 A	12V, 10 A
Battery Capacity	12V, 75 Ah	12V, 90Ah	12V, 100 Ah
120VAC Power Inverter Capacity	200W	200W	200W
Battery/System Enclosure Size	17 x 17 x 10"	17 x 17 x 10"	17 x 17 x 10"

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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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