



Series: **SWPS1**

Off-grid Solar Powered Well Pumping System



FEATURES & BENEFITS

- Solar Powered Pumping System
- Solar Pump Relay Controller Included
- Pre-assembled , Pre-wired
- Includes Water Level Switches

APPLACATIONS

- Irrigation Systems or Pond Aeration
- Farm Livestock Water Source

Complete System Includes Everything Shown!

DESCRIPTION

SWPK1 Series - Solar Powered Well Pump Systems collects and converts energy from the sun. The energy generated supplies off-grid electric power to operate and control well pumps for irrigation or to provide a livestock water source in remote locations. The amount of run time the pump is on can be controlled by the level switches included.

Solar Panels

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

Panel Mounting Bracket

Rugged pole mounting system constructed from heavy-duty corrosion-resistant 5052-H32 aluminum. This sturdy bracket mounts to the side of a metal pole and has a wind capacity of up to 90MPH.

Voltage Regulator/Stabilizer

Rated at a 5A capacity the voltage regulator/stabilizer will maintain a constant 24VDC output when the solar panel output voltage increases or decreases during varying sunlight.

Solar Powered Well Pump

The solution to your remote water pumping needs. This pump is rugged, durable and built to last. This pump delivers a steady 96 GPH (360 LPH) at its maximum depth of 230 feet (70M) when supplied with 24 VDC. Its unique water-tight power connector stops water wicking and prevents potential condensation problems. The perfect design for livestock watering, irrigation or pond aeration.



PUMP CAN BE CONTROLLED BY THE INCLUDED LEVEL SWITCHES!

SOLAR POWER SYSTEM SPECIFICATIONS

Solar Panel Wattage: See model table
Solar Panel Voltage: 18V (36V Combined)
Voltage Regulator/Stabilizer: 24V, 5A

WELL PUMP SPECIFICATIONS

Max Flow Rate: 1.6 GPM (6 LPM)
Pump Max Power: 4A @ 24V
Max Lift: 230' (70m)
Max Submersion Depth: 100' (30m)
Fitting: ½" Barbed
Integral Power Cord: 9' (2.7m)
Dimensions(L x W x H): 4.1 x 4.1 x 13"



Includes Submersible 24VDC Well Pump

Available Models

Model Number	SWPS1-60	SWPS1-100	SWPS1-200
Min Casing Size	4"	4"	4"
Pump Design	Brushless	Brushless	Brushless
Max Submersion Depth	100'	100'	100'
Max Vertical Lift	230'	230'	230'
System Solar Array	60 Watts	100 Watts	200 Watts
Pump Operating Voltage	24VDC	24VDC	24VDC
System Max Daily Output*	192 Gal (727L)	384 Gal (1454L)	576 Gal (2180L)

*Requires a minimum of 6 hours of sunlight.

Includes: Solar Panels, Weatherproof Wiring Junction Box, Submersible 24VDC Well Pump, 2 Water Level Switches, Solar Panel Mounting Bracket, Solar Power Cables, Pump Controller Relays, 24VDC Voltage Regulator/Stabilizer

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e-mail: info@imagineinstruments.com :: www.imagineinstruments.com

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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