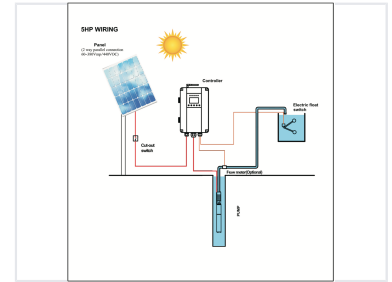


# Solar Water Pump

This solar water pump features innovative design for operation with AC and DC power sources. It is designed for deep well applications, with a motor developed for solar-powered systems using rare earth permanent magnets.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Solar Pumping System

This 5HP submersible centrifugal pump is engineered for reliable, grid-independent water extraction. Utilizing a high-efficiency BLDC motor with a maximum efficiency of 98%, the system is designed for demanding applications like irrigation and livestock watering. The included external controller provides advanced protection and monitoring, ensuring long-term durability and operational safety in remote environments.

## Performance Specifications

### Maximum Input Power

**5.1 kW**

Max Input Power

**5 HP**

Rated Power

### Hydraulic Performance

**25 m**

Max Head

**1545 L/min**

Max Flow

## Technical Details

### Motor Specifications

Feature	Detail
Motor Type	Water filled / BLDC
Max Efficiency	98%
Construction	SS304 (316 optional)
Thrust Bearing	Included

### Physical Dimensions

Component	Size
Pump Diameter	6 inch
Discharge Size	3 inch
Max Submergence Depth	150 m

## Electrical & Control

### Display Capabilities

- Voltage
- Current
- Power
- RPM
- Controller Temperature

### Controller Protection Features

Dry Run Protection, Reverse Protection, Over-head Protection, Over-load Protection, Over-current Protection, Over-voltage Protection, Lost-Phase Protection, Over Temperature Protection

### Operating Voltage

90-380Vmp / 90-440VOC

## Warranty & Support

### Warranty

2 Years Warranty