

Submersible Solar Water Pump

This submersible pump is designed for efficient water extraction using solar power. Its innovative design allows it to be powered with both AC and DC sources without modifications.



ADDITIONAL IMAGES



Overview

High-Efficiency Solar Submersible Pump

This 3HP AC/DC hybrid submersible solar water pump is engineered for reliable water extraction in remote or off-grid locations. Featuring a durable stainless steel construction and an integrated BLDC controller, it offers a sustainable, low-cost solution for irrigation, livestock, and domestic supply. The system supports a wide voltage range and includes advanced protection features like dry-running and over-voltage safeguards for long-term operational stability.

Performance Metrics

Key Performance Indicators

51 m

Max Head

400 L/min

Max Flow

3 HP

Power

Technical Specifications

Power & Electrical

Parameter	Value
Max Input Power	3kW
DC Voltage Range	60-380 Vmp
AC Voltage Range	90-240 V
Max VOC	440V

Mechanical Details

- Pump Diameter: 4 inch
- Discharge Size: 2 inch
- Max Submergence Depth: 150m
- Motor Type: Water-filled BLDC

Features & Protection

Advanced Functions

- Hybrid AC/DC power compatibility
- Soft starting running
- Thrust bearing system
- Automatic running with self-control
- Optional GPRS monitoring
- Optional Generator auto turn on/off

Safety & Protection

Dry-running protection, Over-current protection, Input Over-voltage Protection, Overload protection

Warranty

Warranty

2 Years Warranty