

Solar Water Pump

This pump can be powered by AC and DC sources without modification. It is designed for solar deep well systems and features advanced rare earth permanent magnets.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Solar Water Pump

This 4-inch AC/DC hybrid solar water pump is engineered for reliable, autonomous water extraction in remote or grid-independent locations. Featuring a brushless DC motor and built-in controller, it offers flexible power options and advanced protection mechanisms, including dry-running and over-voltage safeguards. Its robust design is optimized for deep well applications, providing a sustainable and cost-effective solution for agricultural, residential, and industrial water supply needs.

Performance Metrics

Maximum Head

75 m

Max Head

Maximum Flow Rate

90 L/min

Max Flow

Technical Specifications

Power Rating	0.5 HP
Max Input Power	1.2 kW
Motor Type	Water filled / BLDC
Solar Panel Requirement	300W * 3
Voltage Range	DC: 60-380Vmp, AC: 90-240V
Max VOC	440 V

Dimensions & Installation

Pump Diameter	4 inch
Discharge Size	1.25 inch
Max Submergence Depth	150 m

Features & Protection

Key Features

- Hybrid AC/DC power operation
- Built-in frequency converter and controller
- Soft starting running
- Thrust bearing system
- Automatic running with self-control

Warranty

2 Years Warranty

Protection Systems

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