

Solar Powered Vortex Water Pump

This vortex pump is recommended for pumping clean water without abrasive particles and liquids that are chemically non-aggressive to the pump's materials. It is suitable for domestic use, particularly for distributing water in combination with small pressure sets and for irrigating gardens.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Solar Vortex Pump

This Solar Powered Vortex Water Pump is a high-performance solution engineered for reliable water management in off-grid environments. Featuring a robust permanent magnet brushless DC motor and an integrated 32-bit MCU controller, it ensures optimized power usage via MPPT technology. Built for durability with a die-cast aluminum housing and cast iron pump head, this system is ideal for irrigation, water supply, and pressure boosting.

Technical Specifications

Rated Voltage	36 V
Power Consumption	260 W
Maximum Flow Rate	2.2 m ³ /h
Outlet Connection	1 inch

System Controls

Operational Safety

- Do not run dry
- Requires voltage protection
- Ensure stable input voltage

Controller Technology	32-bit MCU, FOC, Sine Wave Current, MPPT
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Construction

Material Composition

Component	Material
Pump Head	Cast Iron
Motor Housing	Die-cast Aluminum