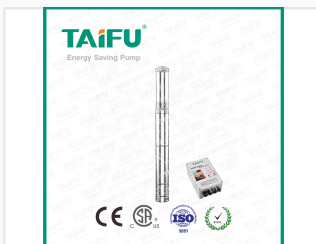


AC/DC Solar Water Pump for Irrigation

This AC/DC solar water pump is engineered for reliable water supply in diverse settings. It alternates between AC and DC power, ensuring consistent operation, even without solar power.



ADDITIONAL IMAGES



Overview

High-Efficiency AC/DC Solar Water Pump

This advanced solar water pump is engineered for reliability in irrigation, pond management, and water conveyance, particularly in areas without access to a stable power grid. It features a unique AC/DC convertible design that allows for seamless switching between power sources, ensuring continuous operation. Built with high-grade stainless steel and an intelligent controller, this system offers high corrosion resistance, energy efficiency, and low maintenance, making it an ideal solution for sustainable water management.

Performance Metrics

Key Performance Metrics

11 kw

Max Power

6000 rpm

Rotation Speed

40 m³/h

Max Flow

Technical Features

Controller & Electrical Features

- MPPT function for DC (Efficiency >99%)
- PFC function for AC (Power factor >0.99)
- Dry running protection
- Phase-lack operation protection
- Overload protection
- Wide voltage range

Power Modes

| Mode | Function |
|-----------|--|
| AC Mode | Operates only under AC power |
| DC Mode | Operates only under DC power |
| Auto Mode | Prioritizes DC; switches to AC if DC voltage <40V; reverts to DC if >60V |

Construction & Materials

Material Specifications

Stainless Steel 304, Permanent Magnetic Brushless DC Motor, Imported Bearings, Copper Wire, Welded Stainless Steel Rotor Shaft

Certifications & Compliance

Certifications

CE Certified • ISO 9001 • ROHS

General Information

Warranty & Support

3-year warranty with included technical support.