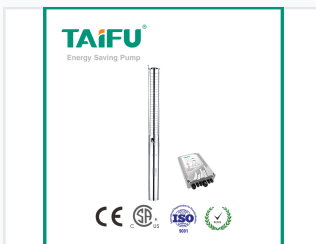


AC/DC Solar Water Pump

This AC/DC solar water pump is designed for energy saving and reliable water supply. It combines AC and DC power options for flexible operation in various applications.



ADDITIONAL IMAGES



Overview

High-Efficiency Dual-Power Solar Water Pump

This advanced water pump system is engineered for versatility, seamlessly switching between AC and DC power sources to ensure reliable operation in diverse environments. Designed for sustainability, it features MPPT and PFC functionality to maximize energy efficiency, making it an ideal solution for irrigation, fountains, and water conveyance in remote areas. Built with high-quality stainless steel components and water-lubricated bearings, this pump offers long-lasting performance and durability even in demanding conditions.

Performance Metrics

Power Range

100 W

Min Power

2200 W

Max Power

Rotation Speed

500-4500 rpm

Current Range

1.5-14 A

Electrical Specifications

Voltage Input

- DC 60-360V
- AC 90-240V (50/60Hz)

Efficiency Features

MPPT Function (>99%), PFC Function (>0.99)

Operating Conditions

Fluid Compatibility

Parameter	Requirement
PH Value	5-9
Liquid Temperature	0°C to +40°C
Max Sediment	50g/m ³

Safety & Protection

Protection Systems

No-load • Reverse • Over/Under Load • Over-temperature • Over-current • Over-voltage • Phase Lack • Locked Rotor

Construction

Key Materials

- Stainless Steel 304 Main Body
- Stainless Steel Impeller
- Water-lubricated Bearings
- Welded Stainless Steel Rotor Shaft

Certifications

Compliance Standards

CE, CSA, ISO 9001, RoHS