

DC Brushless Solar Water Pump

This DC brushless solar water pump utilizes MPPT and DSP chip technology for efficient performance. It is suitable for irrigation and providing drinking water in remote locations.



ADDITIONAL IMAGES



Product Overview



Efficient solar-powered water pump system designed for sustainable irrigation and residential water supply.

High-Efficiency Solar Water Pump System

This advanced solar water pump system is engineered for reliable performance in agricultural irrigation, livestock drinking water, and decorative fountains. Utilizing cutting-edge MPPT and DSP chip technology, the system maximizes energy efficiency by 25% compared to traditional AC-powered motors. The robust design features a brushless DC motor and premium stainless steel components, ensuring long-term durability and sustainable operation in off-grid locations.

Key Features

FREE ACCESSORIES



Included accessories: brass impeller, water level sensors, cable connectors, and dedicated solar panel wiring.

Efficiency Benefits

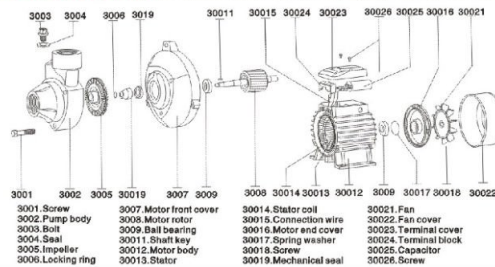
- 25% efficiency improvement over AC machines
- Permanent magnetism brushless non-sensor motor
- Double plastic package for rotor and stator
- Motor insulation $\geq 300 \text{ M}\Omega$
- Cold-rolled silicon steel sheet

Technical Highlights

MPPT Technology, DSP Chip Control, Brushless DC Motor, Stainless Steel 304 Shaft, NSK Bearing

Controller Specifications

TAIFU PERIPHERAL PUMP



Internal components view showing the pump body, motor rotor, stator, and mechanical seals for easy maintenance.

Controller Functions

- Software-based soft-start system
- Automatic solar power circuit detection
- LED-based fault and status display
- Groundwater and tank level detection
- Automatic restart on overload
- Optional battery mode switch

Standards & Warranty

Certifications

CE • EMC Directive Compliant

Warranty

3 years