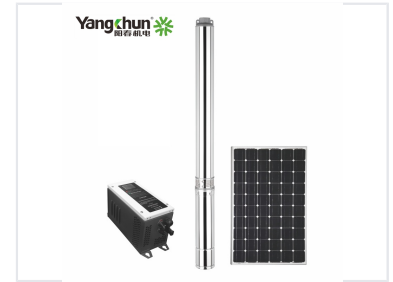


4-Inch DC Solar Water Pump, 10T/h

This 4-inch submersible DC solar pump delivers a flow rate of 10 tons per hour. The system integrates a solar panel for direct DC power, a pump controller, and a durable stainless steel pump body.



ADDITIONAL IMAGES



Product Overview

High-Efficiency 4-Inch DC Solar Water Pump

This 4-inch submersible solar pump is designed for high-performance water extraction using renewable energy. Featuring a permanent magnet brushless motor and advanced sine wave start commutation, it maximizes efficiency for agricultural irrigation, livestock watering, and domestic supply. The system is engineered for autonomous operation with integrated protection features to ensure long-term reliability in remote locations.

Technical Highlights

Motor Technology	High-efficiency permanent magnet brushless motor
Maximum Flow Rate	10 T/h
Pump Diameter	4 inch

Protection & Control

Integrated Protections	Under-voltage, Overvoltage, Water Shortage, Automatic Overload, Card Machine Protection, High Temperature Protection
Control Technology	Automatic sine wave start commutation with MPPT-style voltage adjustment

Performance Matrix



Detailed performance parameters and PV array configuration for the 4TY10 series.

Model Specifications

Model	Power (W)	Voltage (VDC)	Max Head (m)
4TY10-19/5-1200W/110V	1200	110	44
4TY10-27/8-1500W/110V	1500	110	60
4TY10-41/12-2200W/280V	2200	280	86

Solar Array Configuration

Recommended PV Setup

- 1200W System: 4 x 330W/36V panels in series
- 1500W System: 10 x 270W/30V panels in series
- 2200W System: 8 x 330W/36V panels in series or 6PCS 2P3S configuration

Construction

Body Material

Stainless Steel