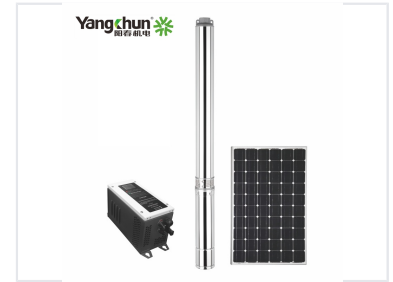


DC Solar Water Pump, 4 inch, 8T/h

This 4-inch DC solar water pump delivers up to 8 tons of water per hour. It is ideal for agricultural, irrigation, and domestic water supply applications.



ADDITIONAL IMAGES



Overview

High-Efficiency Solar Water Solutions

This 4-inch DC solar submersible pump is designed for sustainable water management in remote locations where grid power is unavailable. Utilizing a high-efficiency permanent magnet brushless motor powered directly by solar photovoltaic arrays, it delivers a maximum flow rate of 8m³/h. It is an ideal solution for agricultural irrigation, livestock watering, and domestic water supply applications.

Key Features

Performance Highlights

4 inch

Pump Diameter

8 m³/h

Max Flow Rate

3600 r/min

Rated Speed

Intelligent Control

Safety & Protection Functions

- Under-voltage protection to safeguard battery life
- Overvoltage protection with automatic power cutoff
- Water shortage protection (auto-stop after 3 minutes)
- Automatic overload protection (auto-stop after 2 minutes)
- Automatic card machine protection with reverse rotation
- High-temperature protection for abnormal thermal conditions

Technical Specifications



Comprehensive performance parameters and PV array configuration guide for various pump models.

Model Performance Data

Model	Power (kW)	Voltage (VDC)	Max Head (m)
4TY8-16/4-750W/72V	0.75	72	36
4TY8-20/5-900W/96V	0.9	96	43
4TY8-29/7-1200W/110V	1.2	110	59
4TY8-37/10-1500W/110V	1.5	110	76
4TY8-57/14-1500W/110V	1.5	110	103

System Components

Motor Technology	Permanent magnet brushless motor
Commutation Method	Sine wave start commutation

Applications

Ideal For	Agriculture, Irrigation, Domestic Water Supply, Remote Locations, Livestock
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