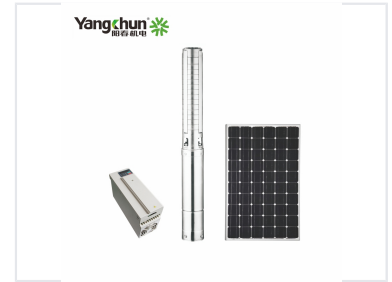
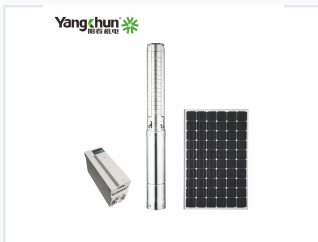


4" 50T/h High Rotation Speed Solar Water Pump

This 4" solar water pump is designed for high-volume water transfer, boasting a capacity of 50 tons per hour. It features a high rotation speed motor optimized for solar power input, ensuring efficient operation and reduced energy consumption.



ADDITIONAL IMAGES



Overview

High-Efficiency Intelligent Solar Pumping Solution

This 4-inch high-rotation speed solar pump is designed for high-volume water transfer, delivering up to 50m³/h. Utilizing a permanent magnet synchronous motor and all-stainless steel multistage impellers, it achieves speeds up to 5200 RPM for superior performance in deep well applications. Its intelligent control system supports both AC and DC inputs, offering a sustainable and energy-efficient solution for agricultural irrigation and industrial water supply.

Performance Highlights

Key Performance Metrics

5200 RPM

Max Rotation Speed

50 m³/h

Max Flow Rate

8 %

Efficiency Gain vs Conventional

Technical Specifications



Comprehensive performance parameters and PV array configuration for various power models.

Model Performance Data

Model	Power (kW)	Voltage (VDC)	Max Head (m)
G100QJ50-20/1-4800W	3.6	520	29
G100QJ50-26/1-6000W	4.8	520	35
G100QJ50-34/2-8000W	6	520	55
G100QJ50-48/2-11000W	8	520	70

Motor Technology	Permanent magnet synchronous motor
Impeller Material	All stainless steel multistage impeller
Input Compatibility	3-Phase AC, DC Direct Input, Solar Energy, Battery Power

Intelligent Features

Smart Management Features

- Constant pressure and constant current water supply
- Intelligent drive adjustment for power saving
- Built-in fault self-processing functions
- Temperature control protection strategies
- Wide voltage operation range

Environmental & Safety

Environmental Standards

Oil-Free Design • Pollution Free • GB32030-2015 Level 1 Efficiency • Clean Energy

Service Life Extension	60 %
-------------------------------	------

Installation & Application

Recommended Applications

- Deep well water extraction
- Agricultural irrigation
- Livestock watering
- Industrial water supply
- Remote areas with high drilling costs