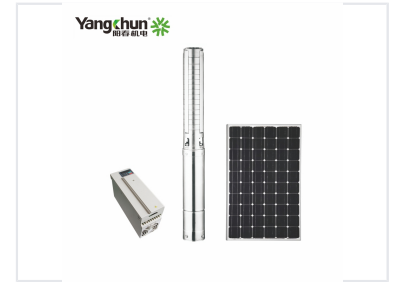
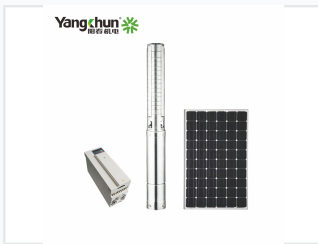


4" 3T/h High Rotation Speed Solar Pump

This 4" solar pump provides a 3T/h flow rate with intelligent, high-speed operation. It is designed for efficient water delivery in agricultural irrigation and remote water supply systems.



ADDITIONAL IMAGES



Product Overview

High-Performance Intelligent Solar Pumping

This 4" high-speed solar pump is engineered for demanding water supply needs, featuring a permanent magnet synchronous motor and all-stainless steel multistage impellers. Capable of reaching speeds up to 5200 RPM, it offers superior power density and efficiency that exceeds GB32030-2015 first-level energy standards. Designed for versatility, it supports AC/DC direct input and is ideal for deep well applications where drilling costs are high, providing a sustainable, oil-free, and cost-effective water solution.

Technical Performance



Detailed performance curves and technical parameters for various pump models.

Key Performance Metrics

5200 RPM

Max Rotation Speed

3 m³/h

Rated Flow Rate

520 VDC

Operating Voltage

Model Performance Table

Model	Power (kW)	Max Head (m)	Voltage (VDC)
G100QJ3-168/10-3600W	3.6	200	520
G100QJ3-232/14-4800W	4.8	280	520
G100QJ3-300/18-6000W	6	360	520
G100QJ3-400/24-8000W	8	480	520
G100QJ3-500/30-11000W	11	600	520

Core Features

Intelligent Capabilities

- Constant pressure and constant current water supply
- Intelligent drive adjustment for power saving
- Self-diagnostic fault processing functions
- Built-in temperature control protection strategies
- Automatic operation based on solar irradiance

Construction & Design

Physical Characteristics

- Small size and light weight for easier installation
- Delicate aesthetic appearance
- Pollution-free design (no industrial oil)
- High-speed rotation (up to 5200 RPM)

Materials & Build

Stainless Steel Impeller, Permanent Magnet Synchronous Motor, Multistage Design, Oil-Free Construction, High Power Density

Operational Benefits

Energy Efficiency

Exceeds GB32030-2015 Level 1 • 4-8% Higher Efficiency • AC/DC Compatible • Eco-Friendly

Ideal Applications

- Deep well water extraction
- Agricultural irrigation
- Livestock watering
- Remote water supply systems
- Solar or battery-powered installations

System Compatibility

Recommended PV Array Configurations

- 3600W System: 18 x 270W/30V panels (Series)
- 4800W System: 20 x 270W/30V panels (Series)
- 6000W System: 16 x 380W/40V panels (Series)
- 11000W System: 45 x 330W/36V panels (3P15S)