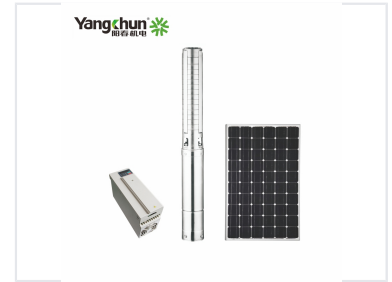
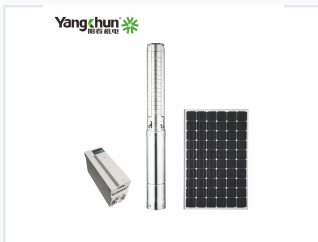


# 4" 6T/h High Rotation Speed Solar Pump

This 4" 6T/h solar pump features a high rotation speed for efficient water pumping. It is designed with an intelligent control system to optimize performance based on available sunlight.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Intelligent Solar Pumping Solution

This 4-inch high-speed solar pump is engineered for demanding deep-well applications, featuring a permanent magnet synchronous motor and all-stainless steel multistage impellers. By achieving rotation speeds up to 5200 RPM, it delivers high power density and significant flow rates while maintaining a compact, oil-free design. Its intelligent control system supports both AC and DC inputs, ensuring stable water supply and enhanced energy efficiency for irrigation and livestock watering.

## Key Performance Metrics

### Key Performance Metrics

**5200 RPM**

Max Rotation Speed

**6 m<sup>3</sup>/h**

Rated Flow Rate

**520 VDC**

Operating Voltage

**11 kW**

Max Power

## Technical Specifications



Comprehensive performance curves and model specifications showing flow rates and head heights for various power configurations.

### Model Performance Data

Model	Power (kW)	Voltage (V)	Max Head (m)
G100QJ6-105/8-3600W	3.6	520	105
G100QJ6-150/11-4800W	4.8	520	150
G100QJ6-190/14-6000W	6	520	190
G100QJ6-252/18-8000W	8	520	252
G100QJ6-355/24-11000W	11	520	355

**Motor Type** Permanent magnet synchronous motor

**Impeller Material** All stainless steel multistage impeller

## System Features

### Intelligent Features

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

### Protection & Efficiency

GB32030-2015 Class 1 Efficiency, Dry-run Protection, Over-temperature Protection, Oil-Free Design

## Application Benefits

### Operational Advantages

- 4-8% higher efficiency than conventional well pumps
- 60% longer service life compared to traditional pumps
- Suitable for small-diameter deep wells with high drilling costs
- Zero pollution risk (no industrial oil used)
- Compatible with AC/DC direct input

## Solar Configuration

### Recommended PV Array Configurations

- 3600W System: 18pcs 270W/30V panels in series
- 4800W System: 20pcs 270W/30V panels in series
- 6000W System: 16pcs 380W/40V panels in series
- 11000W System: 45pcs 330W/36V panels (3 strings of 15)