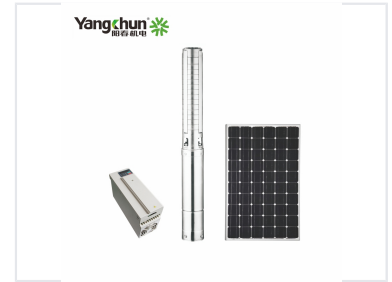
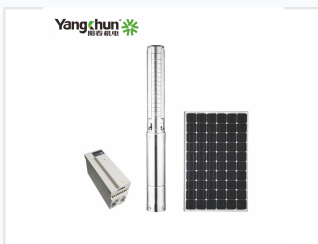


# 4-Inch 12T/h Submersible Solar Pump

This 4-inch submersible solar pump provides a 12T/h flow rate with intelligent control. Its robust construction and corrosion-resistant materials ensure durability for agricultural irrigation and remote water supply.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency Submersible Solar Pumping Solution

This 4-inch intelligent submersible solar pump is engineered for high-rotation performance, reaching speeds up to 5200 RPM for efficient water extraction. Utilizing a permanent magnet synchronous motor and all-stainless steel multistage impellers, it delivers a robust 12T/h flow rate ideal for deep well applications. The system features an intelligent control drive that optimizes energy savings and provides multiple protection strategies, ensuring a service life 60% longer than traditional deep well pumps.

## Performance Highlights

### Key Performance Metrics

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

Max Flow Rate

**5200 RPM**

Max Rotation Speed

**520 VDC**

Operating Voltage

## Technical Specifications

Motor Technology	Permanent magnet synchronous motor
Impeller Material	All stainless steel multistage impeller
Power Input Compatibility	3-Phase AC, DC Direct Input, Solar PV, Battery
Energy Efficiency	Exceeds GB32030-2015 first-level energy efficiency

## Features & Intelligence

### Smart Operations

- Constant pressure and constant current water supply
- Intelligent drive adjustment for power saving
- Fault self-processing function
- Built-in temperature control protection
- Wide voltage range operation

## Environmental & Safety

### Eco-Friendly Design

Oil-Free • Pollution-Free • Clean Energy • Corrosion Resistant

## Model Comparison



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

### Performance Parameters by Model

Model	Power (KW)	Voltage (V)	Max Head (m)
G100QJ12-54/4-3600W	3.6	520	84
G100QJ12-73/5-4800W	4.8	520	106
G100QJ12-95/6-6000W	6	520	126
G100QJ12-124/8-8000W	8	520	167
G100QJ12-168/10-11000W	11	520	210

## Application

### Recommended Use Cases

- Agricultural irrigation
- Livestock watering
- Remote domestic water supply
- Deep well water extraction
- Sustainable water management projects