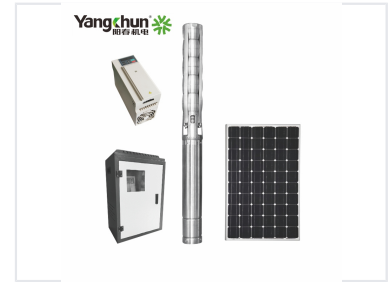
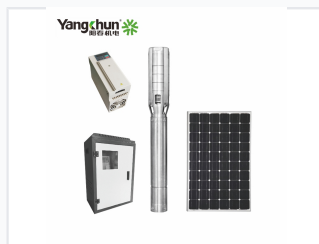
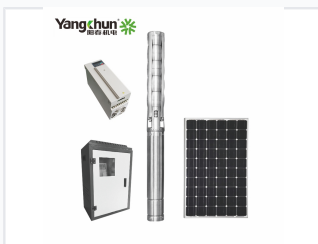


High-Speed Solar Water Pump

This high-speed solar water pump is engineered for efficient water pumping using solar energy. Its intelligent control system optimizes operation, delivering maximum water output for various applications.



ADDITIONAL IMAGES



Overview

High-Efficiency Intelligent Solar Pumping Solution

This 5-inch high-speed solar pump is engineered for demanding deep-well applications, featuring a permanent magnet synchronous motor and a multistage stainless steel impeller. By achieving rotation speeds up to 5200 RPM, it delivers high power density with fewer impeller stages, significantly reducing drilling costs and increasing service life by at least 60% compared to traditional pumps. The system supports both AC and DC inputs with an intelligent control system that ensures constant pressure and flow for agricultural and industrial water supply.

Key Performance Metrics

Core Performance

5200 RPM

Max Rotation Speed

60 m³/h

Max Flow Rate

520 VDC

Operating Voltage

Technical Specifications



Performance curves and recommended solar panel configurations for the 16kW to 30kW pump range.

Model Performance Data

Model	Power (kW/HP)	Max Head (m)	Input Voltage
G130QJ60-65/4-16000W	15kW / 20HP	65	520VDC
G130QJ60-85/4-20000W	19kW / 25HP	85	520VDC
G130QJ60-106/5-24000W	22kW / 30HP	106	520VDC
G130QJ60-128/6-30000W	30kW / 40HP	128	520VDC

Physical Attributes

- Pump Diameter: 5 inch
- Material: Full Stainless Steel
- Motor Type: Permanent Magnet Synchronous
- Controller Options: Built-in or External

System Features

Advanced Capabilities

- Permanent magnet synchronous motor for high efficiency
- All stainless steel multistage impeller construction
- Dual AC/DC direct input compatibility
- Intelligent drive adjustment for power optimization
- Constant pressure and constant current water supply
- Built-in temperature control and fault self-processing
- Oil-free design to prevent water source pollution

Solar Configuration

Recommended PV Array

Pump Power	Solar Panel Spec	Configuration
16000W	330W / 36V	60 PCS (4P15S)
20000W	330W / 36V	75 PCS (5P15S)
24000W	330W / 36V	90 PCS (6P15S)
30000W	330W / 36V	112 PCS (7P16S)

Compliance & Protection

Protection & Standards

GB32030-2015 Class 1 Efficiency, Over-temperature Protection, Fault Self-Processing, Environmentally Friendly, Intelligent Operation