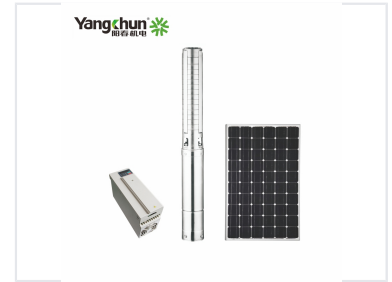
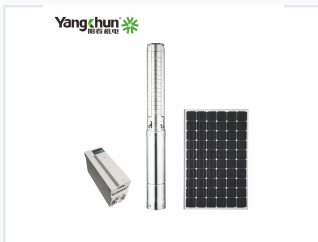


4" 6T/h High Rotation Speed Solar Pump

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 m³/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)