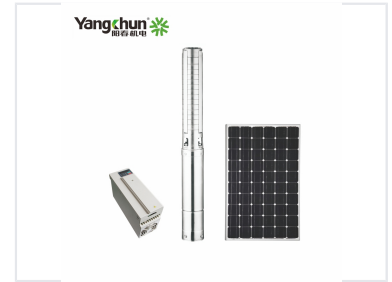
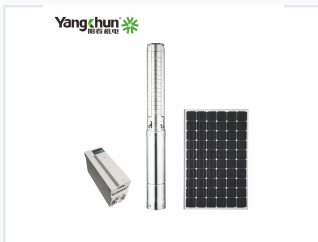


4" 20T/h High Rotation Speed Solar Pump

This 4" solar pump is designed for efficient water pumping. It features intelligent controls for optimized operation and a high rotation speed for maximum water output.



ADDITIONAL IMAGES



Overview

Intelligent High-Speed Solar Pumping Solution

This 4-inch solar pump is engineered for high-performance water delivery, featuring a permanent magnet synchronous motor and all-stainless steel multistage impellers. With rotation speeds reaching up to 5200 RPM, it offers superior power density and efficiency compared to conventional well pumps. Designed for versatility, it supports both AC and DC direct input, making it an ideal choice for deep well applications where drilling costs are high and sustainable energy is preferred.

Performance Highlights

Key Performance Metrics

5200 RPM

Maximum Rotation Speed

20 m³/h

Rated Flow Rate

520 VDC

System Voltage

Technical Specifications



Comprehensive performance curves and technical parameters for the high-rotation speed solar pump series.

Model Performance Comparison

Model	Power (kW)	Max Head (m)	Max Flow (m ³ /h)
G100QJ20-30/2-3600W	3.6	46	31
G100QJ20-44/3-4800W	4.8	73	31
G100QJ20-55/3-6000W	6	73	31
G100QJ20-74/4-8000W	8	96	31
G100QJ20-105/6-11000W	11	143	31

Core Features

Advanced System Features

- Permanent magnet synchronous motor for high efficiency
- All stainless steel multistage impeller construction
- Built-in and external controller solutions available
- Intelligent drive adjustment for energy saving
- Constant pressure and constant current water supply
- Automatic fault self-processing functions
- Oil-free design to prevent water source pollution

Protection Systems

Temperature Control, Over-Voltage, Under-Voltage, Intelligent Fault Processing, Constant Pressure

Operational Benefits

Efficiency & Durability

- Efficiency 4-8% higher than conventional well pumps
- Exceeds GB32030-2015 first-level energy efficiency standards
- Service life increased by at least 60% via temperature control strategies
- Stable output performance even under high light intensity
- Optimized for longer battery life in solar-plus-storage setups

Solar Configuration

Recommended PV Array Configurations

Pump Power	Panel Type	Configuration
3600W	270W/30V	18 Panels in Series
4800W	270W/30V	20 Panels in Series
6000W	380W/40V	16 Panels in Series
11000W	330W/36V	45 Panels (3 Parallel x 15 Series)

Physical Attributes

Pump Diameter

4 inch