

24V DC 300W Submersible Screw Pump for Clean Water

This submersible pump is designed for clean water applications. It operates on 24V DC power and features a screw mechanism and built-in controller.



ADDITIONAL IMAGES



Product Overview

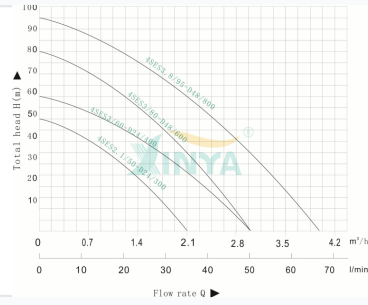


The pump is designed for efficient water extraction from wells and tanks.

Submersible Solar Screw Pump

This 24V DC 300W submersible pump is engineered specifically for clean water applications, utilizing a high-efficiency screw mechanism. Featuring a built-in controller, the unit automatically adapts to various power sources including solar panels, batteries, and standard power supplies. Its advanced protection systems ensure long-term reliability in off-grid or remote settings without the need for additional float switches.

Performance Metrics



Performance curves showing the relationship between total head and flow rate for various models.

Performance Overview

2.1 m³/h

Max Flow Rate

50 m

Max Head

300 W

Rated Power

Technical Specifications



Standardized packaging for secure international delivery.

Voltage & Power

- Operating Voltage: 24V DC
- MPP Adjustment Range: 24-33V
- Max Solar Input Voltage: 50V
- Max Battery/Power Supply Input: 40V

Dimensions & Weight

- Outlet Diameter: 1 inch
- Unit Dimensions: 10 x 48 cm
- Gross Weight: 9.5 kg

Protection & Safety

Safety Features

Under-voltage Protection (20V), Over-current Protection (15A), Dry-run Protection, Anti-reverse Polarity Protection

Operating Conditions

Operational Requirements

| Parameter | Requirement |
|------------------|--------------------------------|
| Medium Type | Non-corrosive clean water |
| Max Sand Content | < 1% (max 0.2mm particle size) |
| Max Temperature | +40°C |
| PH Value Range | 6.5 - 8.5 |