Hyuduo 3SYDC12V / S-30

Hyuduo Solar Water Pump 12V DC Submersible Well Pump (Model 3SYDC12V / S-30)

Instruction Manual

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Hyuduo 12V DC submersible solar water pump, model 3SYDC12V / S-30. Please read these instructions carefully before use to ensure safe and efficient operation.



Image: The Hyuduo 12V DC submersible solar water pump, featuring a stainless steel and red casing, with its long red power cable coiled below.

Safety Information

- Always ensure the power supply voltage matches the pump's requirements (DC12V).
- Do not operate the pump with damaged cables.
- The pump is designed for clean water sources. Avoid pumping water with excessive debris to prevent clogging and damage.
- When lowering or retrieving the pump, use a rope attached to the handle. Do not pull the pump by its electrical cable.
- Ensure all electrical connections are secure and properly insulated to prevent electric shock.
- Keep children and unauthorized personnel away from the pump during operation.

Setup and Installation

The Hyuduo 3SYDC12V / S-30 pump is designed for easy installation.

Unpacking

- Carefully remove all components from the packaging.
- Verify that all parts listed in the package contents are present: 1 Water Pump, 1 Connector, 1 Connector Gasket, 1 User Manual.

Placement

The pump should be placed in a clean water source. If the water source contains debris, place the pump inside a bamboo basket or similar protective enclosure to prevent clogging.



Image: The Hyuduo solar water pump being prepared for installation in a well, demonstrating its use in a practical setting. A construction site is visible in the background, indicating potential applications.

Electrical Connection

The pump operates on DC12V. It features an integrated controller for simplified wiring.

- Connect the **Red** wire to the positive (+) terminal of your DC12V power supply (e.g., solar panel, battery).
- Connect the **Black** wire to the negative (-) terminal of your DC12V power supply.



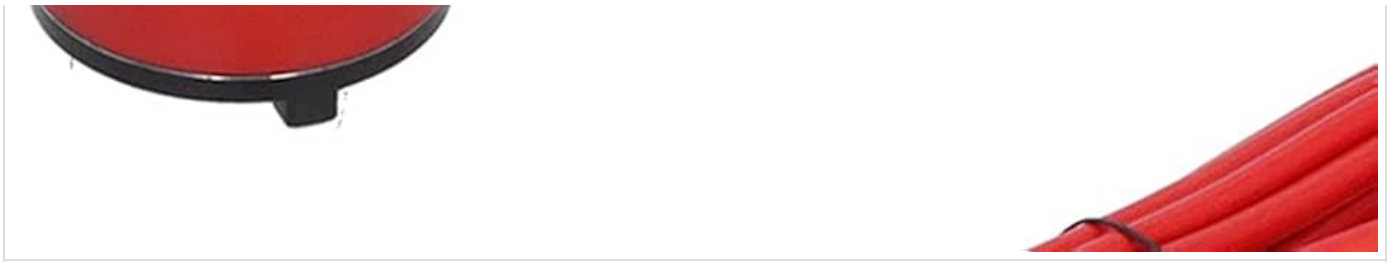


Image: A detailed view of the pump's upper section, highlighting the water outlet and the red power cable connection point. This illustrates where the water hose and electrical wiring connect.

The pump can be directly connected to a solar panel. Ensure the solar panel provides stable DC12V power.

Operating Instructions

Once properly installed and connected to a DC12V power source, the pump will begin operation.

- Ensure the pump is fully submerged in clean water before activating the power supply.
- Monitor the water flow to confirm proper operation.
- The pump is designed for continuous operation within its specified parameters.



Image: The solar water pump positioned in a green agricultural field, illustrating its application for irrigation or water transfer in rural settings.

Maintenance

Regular maintenance ensures the longevity and reliable performance of your pump.

- **Prevent Clogging:** The pump is suitable for clean water. If the water source contains sediment or debris, use a protective basket around the pump to prevent clogging.
- **Regular Inspection:** Periodically inspect the pump and cables for any signs of wear, damage, or corrosion.
- **Cleaning:** If the pump's performance decreases, it may be due to internal clogging. Disconnect power and carefully remove any debris from the intake area.
- **Storage:** If storing the pump for an extended period, clean it thoroughly, drain all water, and store it in a dry, protected area.

Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Incorrect wiring; Low voltage.	Check power connections and ensure DC12V is supplied. Verify red wire is connected to positive and black to negative.
Low water flow	Clogged intake; Air in the system; Pump not fully submerged.	Check for debris blocking the intake. Ensure pump is fully submerged. Bleed any air from the system if applicable.
Pump runs but no water is discharged	Pump not primed (if applicable); Suction line leak; Water level too low.	Ensure pump is fully submerged and primed. Check for leaks in the suction line. Verify adequate water level in the source.
Excessive noise or vibration	Debris in impeller; Loose mounting.	Disconnect power and inspect impeller for debris. Ensure pump is securely positioned.

Product Specifications

Feature	Specification
Model	3SYDC12V / S-30
Working Current	10A
Working Voltage	DC12V
Maximum Head	Approx. 30 meters / 98.42 feet
Maximum Flow	1.5 cubic meters / hour (approx. 6.6 GPM)
Interface Outer Diameter	25 mm (accessory connector diameter)
Cable Length	Approx. 14 meters / 45.93 feet
Delivery Medium	Clean water
Impeller Suction Method	Single suction
Pump Shaft Position	Vertical side
Drive Mode	Electric
Material	Stainless steel, pure copper
Dimensions (Package)	45 x 19 x 12 cm
Weight (Package)	4.07 Kilograms

Warranty and Support

For warranty information or technical support, please refer to the seller's policies or contact Hyuduo customer service.

Specific warranty details are not provided in this manual.

For further assistance, please visit the Hyuduo Store.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question