

POPULO HTPL-2009

POPULO Hybrid Water Transfer Pump HTPL-2009 User Manual

Model: HTPL-2009

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your POPULO Hybrid Water Transfer Pump HTPL-2009. Please read all instructions carefully before use to ensure proper function and to prevent injury or damage.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power source (120VAC or 20VDC battery) matches the pump's requirements. Do not operate the pump with damaged cords or plugs. Keep electrical connections dry.
- **Water Contact:** Do not immerse the pump's main body in water. The battery cover is splash-resistant, but the unit is not submersible.
- **Intended Use:** This pump is designed for transferring clean water. Do not use it for flammable, corrosive, or chemical liquids, or for liquids containing large debris.
- **Ventilation:** Ensure adequate ventilation during operation to prevent overheating.
- **Children and Pets:** Keep children and pets away from the pump during operation.
- **Dry-Running Protection:** The pump features an automatic shutdown function to protect against dry running. However, avoid prolonged dry operation.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Transfer pump x 1
- Priming oil x 1
- Power adapter x 1
- Inlet hose x 1
- Hose clamp x 1
- Suction filter x 1
- 4Ah battery x 1
- Battery charger x 1

- Tool bag x 1
- User manual x 1

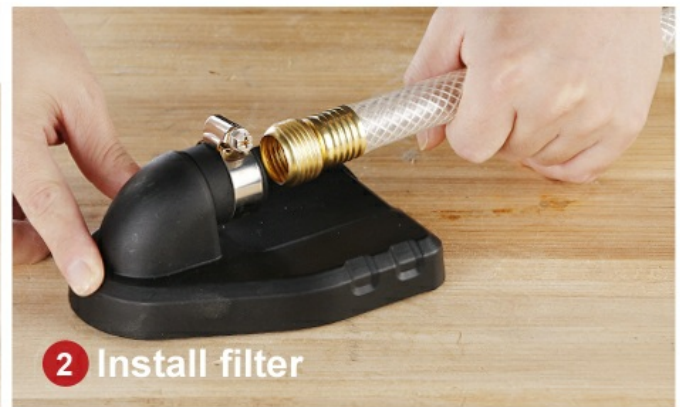
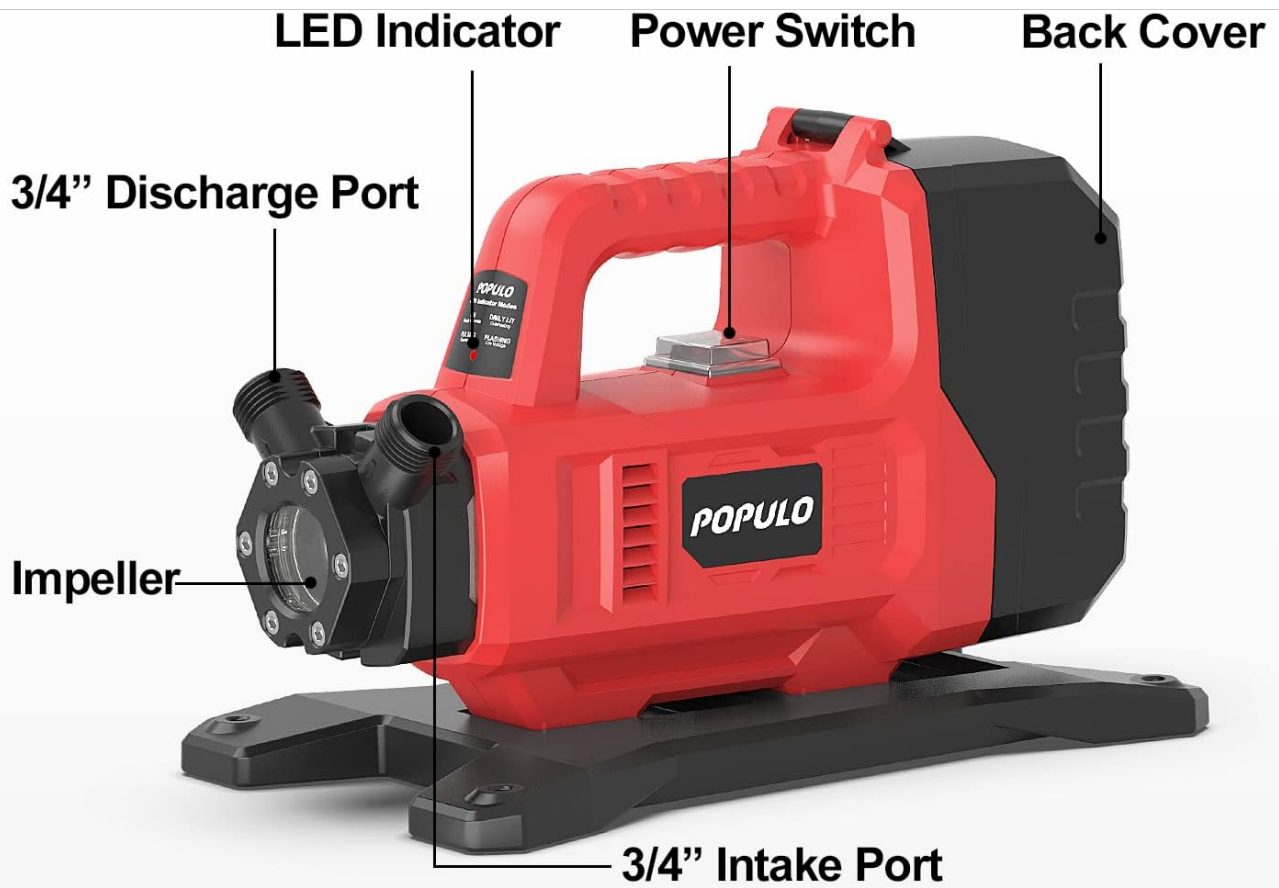


Image: All components included in the POPULO Hybrid Water Transfer Pump kit.

4. PRODUCT OVERVIEW

The POPULO Hybrid Water Transfer Pump is a versatile unit capable of operating on either 120VAC electric power or a 20V Lithium battery pack. It features a self-priming design with a maximum flow rate of 325 GPH and a maximum head lift of 45 feet.



20V

4.0AH LITHIUM-ION

Extra batteries can be purchased on Amazon



Image: Labeled components of the POPULO Hybrid Water Transfer Pump.

3/4" GARDEN HOSE THREAD



Image: Physical dimensions and hose thread size of the pump.

5. SETUP INSTRUCTIONS

Follow these steps for initial setup of your water transfer pump:

1. **Install Base:** Securely attach the pump to its base for stability.
2. **Install Filter:** Connect the suction filter to the inlet hose. Ensure the hose clamp is tightened to prevent leaks.
3. **Connect Water Pipe:** Attach the inlet hose to the pump's intake port (marked with an arrow pointing towards the pump) and the discharge hose to the outlet port (marked with an arrow pointing away from the pump). Both ports accept 3/4" garden hose threads.
4. **Connect to Power:** Choose your power source. For cordless operation, insert the charged 20V battery into the battery compartment. For AC operation, connect the power adapter to the pump and plug it into a 120VAC outlet.



Image: Step-by-step visual guide for pump setup.

Video: Official setup and operation guide for the POPULO Hybrid Water Transfer Pump HTPL-2009. This video demonstrates the assembly of the pump, connecting hoses, and operating it in both AC and DC modes, including the dry-running shutdown feature.

6. OPERATING INSTRUCTIONS

The POPULO Hybrid Water Transfer Pump offers flexible power options and efficient water transfer capabilities.

6.1. Powering the Pump (AC/DC Hybrid)

The pump can be powered by either a 20V Lithium battery or a 120VAC power adapter.



Image: Demonstrating the hybrid AC/DC power options for the pump.

6.2. Priming the Pump

The pump is self-priming with a suction lift up to 6 feet. To ensure smooth operation, especially during initial use or after extended storage, it is recommended to drip the provided priming oil into the cavity from the water intake port before use. This helps reduce noise and extends the pump's lifespan.

6.3. Water Transfer

Place the suction filter end of the inlet hose into the water source. Direct the discharge hose to the desired location for water transfer. Turn the power switch to the 'ON' position. The pump will begin transferring water. The pump can achieve a maximum flow of 325 GPH and a maximum head lift of 45 feet.

POPULO

HYBRID AC/DC WATER TRANSFER PUMP



Image: The pump in operation, transferring water from a container.

6.4. Dry-Running Automatic Shutdown

The pump is equipped with a Dry-Running Automatic Shutdown Function. This feature automatically turns off the pump when there is no water flow, protecting the motor from damage due to dry operation. This extends the pump's life and prevents potential repairs.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your pump.

- **Lubrication:** Periodically apply the provided priming oil (or a suitable lubricating oil) into the water intake port to maintain smooth running and reduce noise.
- **Filter Cleaning:** Regularly inspect and clean the suction filter to prevent blockages and ensure efficient water intake.
- **Storage:** After use, especially before long-term storage, ensure the pump is drained of all water. Store the pump in a dry, protected area.

8. TROUBLESHOOTING

Refer to the LED indicator modes for quick diagnosis of common issues:



Image: LED Indicator Modes for troubleshooting.

- **LED ON:** The pump is ready to operate.
- **LED DIMLY LIT:** Indicates the pump is overheating. Allow the pump to cool down before resuming operation. Check for obstructions or prolonged dry running.
- **LED PULSING:** Indicates the pump is overloading. Check for blockages in the hoses or impeller, or if the pump is attempting to move liquids thicker than water.
- **LED FLASHING:** Indicates low voltage. If operating on battery, recharge or replace the battery. If operating on AC, check the power supply.
- **No Water Flow:** Ensure the inlet hose is fully submerged and free of air pockets. Check for blockages in the filter or hoses. Confirm the pump is primed.

9. SPECIFICATIONS

Brand	POPULO
Model	HTPL-2009
Power Source	Battery Powered (20V) / 120 Volts (AC)
Maximum Flow Rate	325 Gallons Per Hour (GPH) / 5.5 Gallons Per Minute (GPM)
Maximum Lifting Height	45 Feet
Suction Lift	Up to 6 Feet
Battery Capacity	4.0Ah (included)
Material	Plastic
Color	Red

10. WARRANTY AND SUPPORT

Specific warranty details and customer support contact information are not provided in this manual. Please refer to the product packaging, the manufacturer's official website, or contact your retailer for comprehensive warranty terms and support services.

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

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Email

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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