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AISITIN 7W

AISITIN 7W Solar Fountain Pump Instruction Manual

Model: 7W

1. Product Overview

The AISITIN 7W Solar Fountain Pump is an eco-friendly, DIY water feature kit designed for various outdoor settings such as bird baths, small ponds, aquariums, and gardens. It operates entirely on solar power, eliminating the need for batteries or external electricity. The kit includes a high-efficiency 7W solar panel, a water pump, a 1.5m water pipe, and various nozzles to create different spray patterns.



Image 1.1: The AISITIN 7W Solar Fountain Pump connected to a decorative bamboo water feature, with the solar panel positioned in sunlight.

2. Package Contents

Before installation, please ensure all components are present in the package:

- 7W Solar Panel
- Water Pump with integrated brushless motor
- 1.5m Water Pipe
- Fixed Stakes for solar panel installation
- Assortment of Nozzles for various spray patterns
- 5m Connection Cable (between solar panel and pump)



Image 2.1: All components of the solar fountain pump kit, including the solar panel, pump, various nozzles, and mounting accessories.

3. Setup and Installation

1. **Assemble the Solar Panel:** Attach the fixed stakes to the solar panel. The panel can be installed on the ground using the stakes or mounted on a wall/fence.



Image 3.1: Demonstrates how to install the solar panel using the ground stake or by mounting it on a vertical surface like a fence.

2. **Position the Solar Panel:** Place the solar panel in an area that receives direct sunlight for most of the day. Ensure no shadows fall on the panel, as this will affect pump performance. The 5m cable provides flexibility for optimal panel placement.
3. **Prepare the Pump:** Submerge the water pump completely in water. Ensure the water level is sufficient to cover the pump.
4. **Connect the Water Pipe:** Attach the 1.5m water pipe to the pump's outlet.
5. **Select and Attach Nozzle (Optional):** Choose a desired nozzle from the assortment. The nozzles feature a clip-on design for easy attachment and removal.
    - For small bird baths, it is recommended to operate the pump without a nozzle to prevent excessive water splashing and loss.



Image 3.2: An exploded view illustrating how different nozzle components combine to create various spray patterns, attaching to the pump.

6. **Connect Solar Panel to Pump:** Connect the cable from the solar panel to the water pump. The pump will start operating automatically once the solar panel receives sufficient sunlight.

4. Operation

The AISITIN Solar Fountain Pump is designed for automatic operation. It will begin pumping water when the solar panel is exposed to direct sunlight. The intensity of the spray will vary with the amount of sunlight received.

4.1 Adjusting Water Intake

The pump features an adjustable switch to control the water intake, allowing you to regulate the flow rate. This can be useful for different water feature sizes or desired spray heights.



Image 4.1: The pump's side view showing the adjustable switch for water intake (Min/Max) and the internal filter components.

4.2 Spray Patterns

Experiment with the included nozzles to achieve various water spray effects. The clip-on design allows for quick changes.

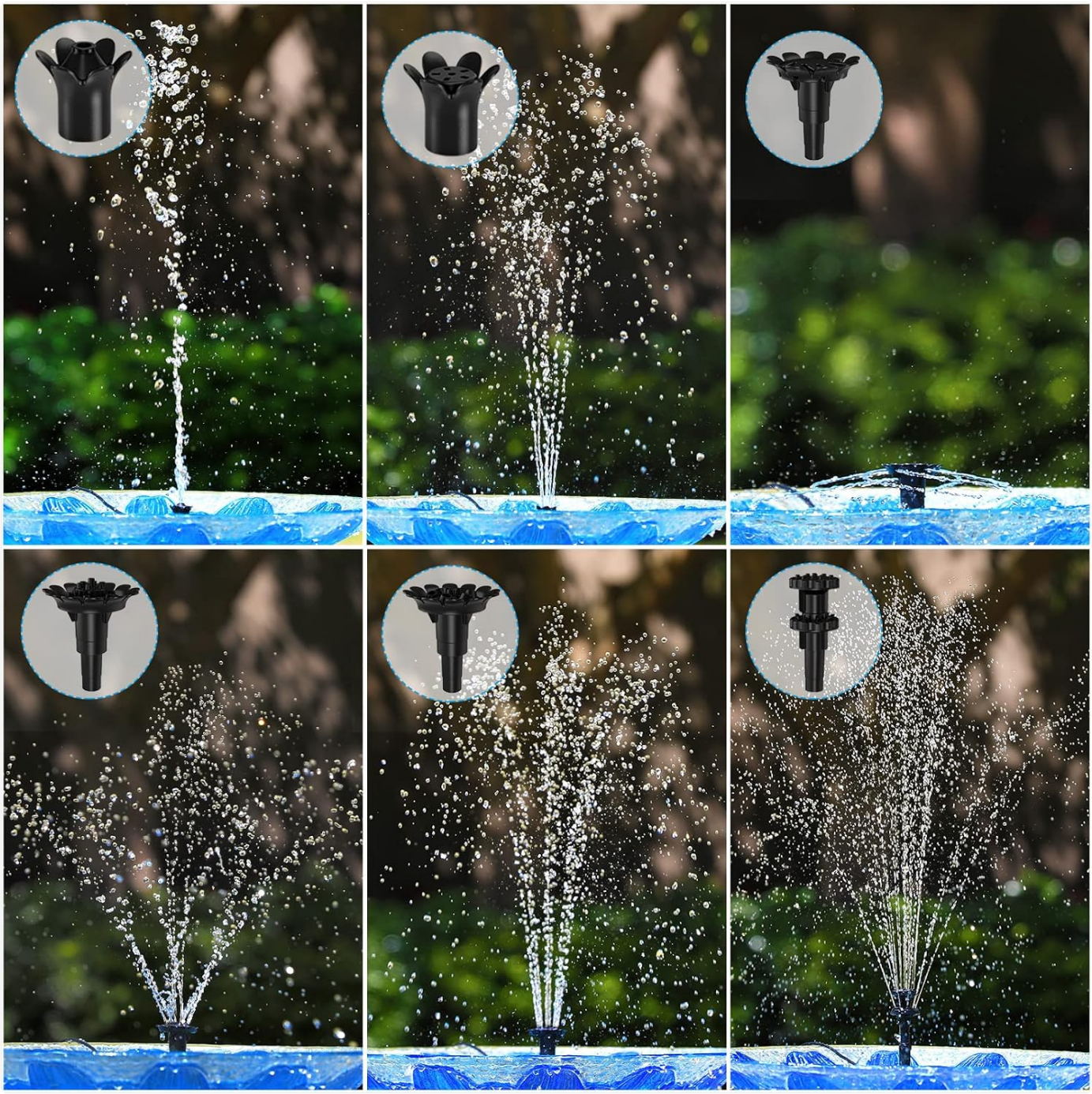


Image 4.2: A visual representation of six distinct water spray patterns achievable with the different nozzles provided in the kit.



Image 4.3: A comparison showing the higher and more aesthetically pleasing water sprays produced by the 7W solar fountain pump compared to a standard model.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your solar fountain pump.

- **Clean the Solar Panel:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption.
- **Clean the Pump Filter:** The pump is equipped with a special filter nozzle designed to trap impurities. Disassemble and clean the filter regularly to prevent blockages and maintain water flow.
- **Maintain Water Level:** Ensure the water level in your pond or bird bath is always sufficient to fully submerge the pump. Running the pump dry can cause damage.
- **Winter Storage:** In freezing conditions, remove the pump from the water and store it indoors to prevent damage from ice.

6. Troubleshooting

If your solar fountain pump is not operating correctly, check the following common issues:

Problem	Possible Cause	Solution
Pump not working or weak spray	• Insufficient sunlight (cloudy day, night) • Solar panel is covered or dirty • Water level is too low • Water inlet is blocked by debris	• Ensure direct sunlight exposure. The pump operates only in direct sun. • Clean the solar panel surface. • Add water to fully submerge the pump. • Clean the pump's water inlet and filter.



Image 6.1: Visual guide to common issues preventing proper operation: lack of sunlight, obstructed solar panel, insufficient water level, and a blocked water inlet.

7. Specifications

Feature	Detail
Brand	AISITIN
Model Number	7W (SF_7W)
Power Source	Solar Powered
Solar Panel Power	7 Watt
Product Dimensions (L x W x H)	32.51 x 22.3 x 4.8 cm
Weight	800 grams
Material	Plastic
Color	Black
Water Pipe Length	1.5 meters
Connection Cable Length	5 meters
Specific Uses	Bird bath, aquarium, small pond, pool, garden

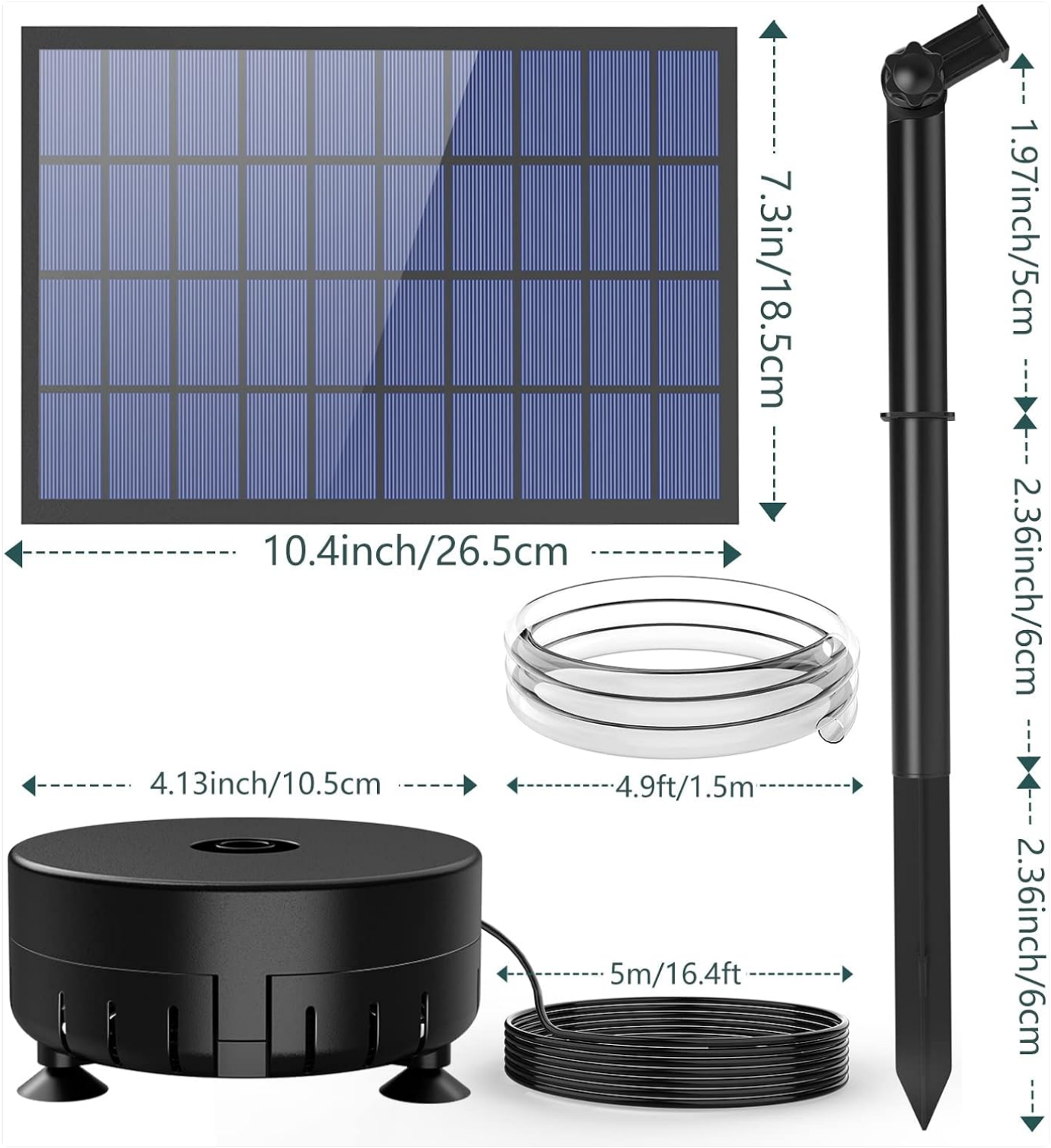


Image 7.1: Detailed dimensions of the solar panel, pump, and cable lengths for planning installation.

8. Warranty and Support

Specific warranty details are not provided in the product information. For any questions, technical support, or warranty claims, please contact the seller directly through your purchase platform. The seller typically responds within 24 hours.

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