

SOLAR PUMP & PANEL KIT AMP-P001B1

Read this manual carefully before using this product, and save this manual for future reference.

OVERVIEW

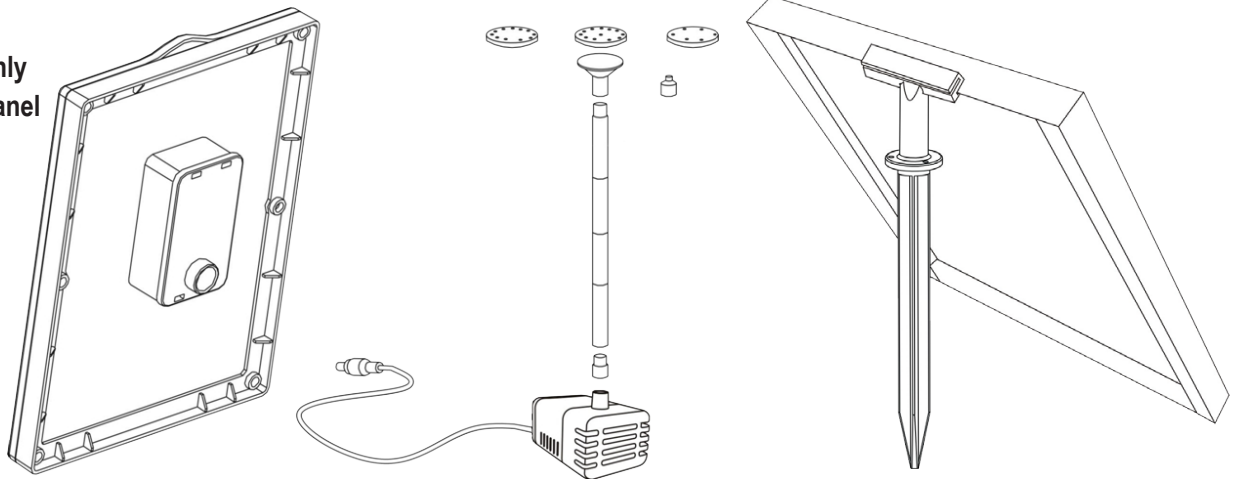
This kit is designed to operate only during daytime hours provided that the solar panel is receiving direct sunlight.

The solar-powered pump is intended for fountain, pond or outdoor use and was designed with dry-run protection to prevent the pump from burning out if the fountain, pond or pool dries out. The pump derives its power directly from the solar panel. In order for the pump to operate, the solar panel must be placed in direct sunlight. The performance of the pump depends on the season and the position of the solar panel.

ASSEMBLY AND USE

⚠ CAUTION:

- Operate in fresh water only
- Do not strike the solar panel
- Never lift the pump by the power cable

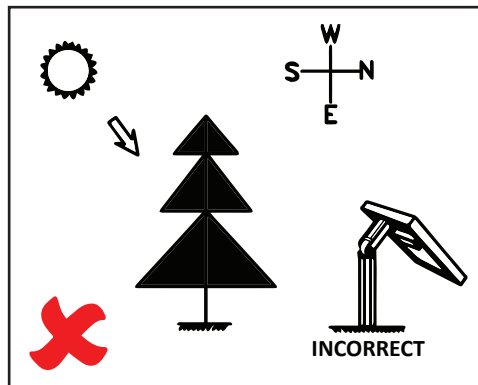
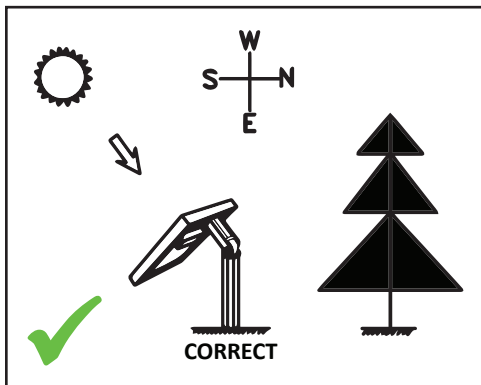


Carefully unpack all components.

Connect pump accessories to obtain performance for the intended use. Place the pump underwater, ensuring that the pump will remain submersed during operation. For use with a water fountain, attach the pump directly to the fountain tubing; if the tubing is not long enough to allow the pump to remain completely submersed in water, you may use flat stones or bricks to elevate the pump to the proper height.

Connect the pump cable to the solar panel and place the panel in full, direct sunlight avoiding areas that will become shaded during the day.

PANEL PLACEMENT



Insert the spike into the ground. Position the solar panel to face South (in northern hemisphere) to make the most of daylight hours. It is important to angle the solar panel towards the sun when sun is at its highest point. Ensure the solar panel is not shaded by trees, shrubs or buildings.

CLEANING AND MAINTENANCE

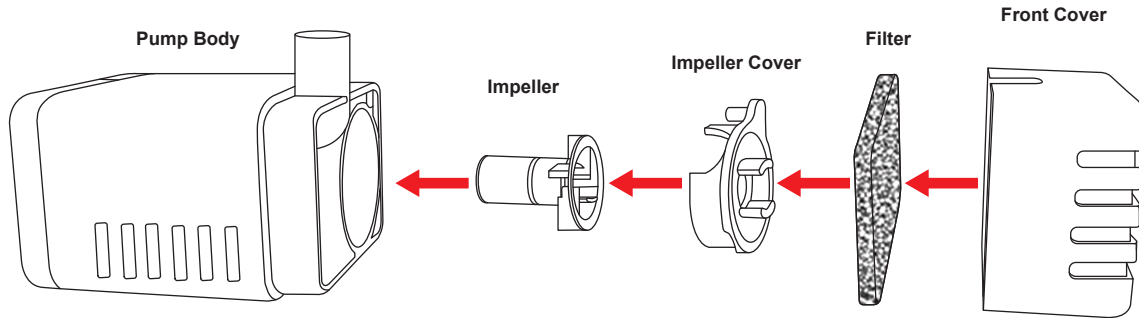
Solar Panel:

Clean the face of the solar panel often to ensure optimal conversion of the sun's energy into direct current. Solar panels can become extremely hot in the sunshine. It is recommended that cleaning be performed early in the morning, late in the evening, or during a cool, cloudy day.

Only use a soft tissue, soft cloth or soft sponge and a propriety glass cleaning solution to clean the front of the solar panel. Take care not to scratch the glass while cleaning.

Pump (6V DC):

If the pump starts losing power or stops working, check for buildup of sediment or scale in the filter and/or in the pump housing. Use clean, fresh water to clean components.



Press down on the top of the front cover and pulling it off by the sides.

Remove the filter, impeller cover, and impeller. Wash all components using clean water. Use a soft cloth or brush, such as a toothbrush or a nylon pipe brush, to clean the pump components.

Ensure the impeller cover is replaced correctly, with the round tab inserted into the hole on the top, right of the pump body.

STORAGE

Before storing, unplug the pump from the solar panel.

Store all components in a warm, dry indoor location. Do not allow components to freeze as doing so can permanently damage the pump and solar panel.

TROUBLESHOOTING

Pump is not running even though the solar panel is in full sunlight.

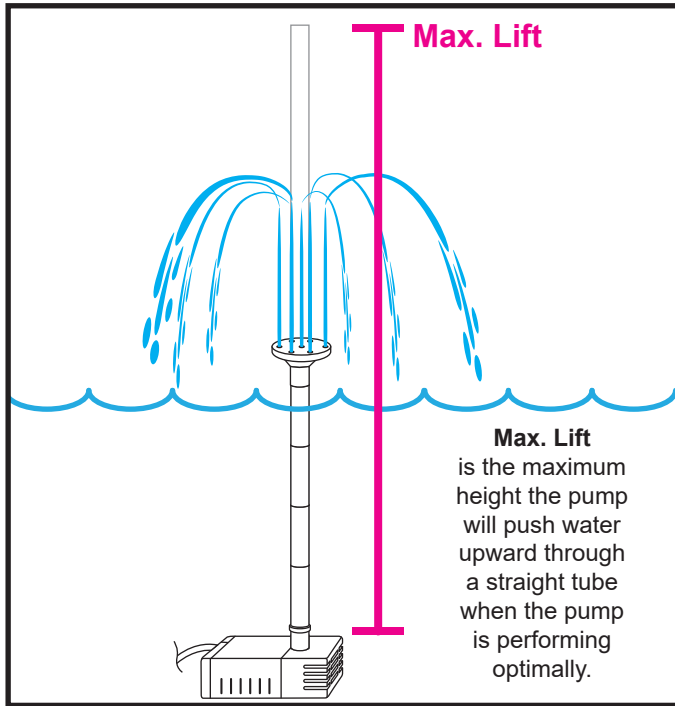
- ▶ Pump is submersed – ensure the pump is fully submerged under water. The pump is equipped with dry-run protection which prevents the motor from running unless the internal mechanisms of the pump are wet. You may need to gently tap the side of the pump to release trapped air bubbles.
- ▶ Cable connection secure – ensure the pump cable is fully inserted into the 'Pump' port on the solar panel.
- ▶ Impeller may be blocked – disassemble the pump as shown in *Cleaning and Maintenance*, above. Use a small brush or stream of water to remove any debris.

Pump is running but little or no water is flowing.

- ▶ Clear debris – check to ensure debris is not blocking the front of the pump.
- ▶ Buildup of sediment or scale – check the pump, filter, tubes and spray heads for blockages. Clear loose blockages by hand and thoroughly clean pump components. Fountain cleaning products are recommended for cleaning fountain components; **do not use bleach!**
- ▶ Check connections – make sure the extension tube(s), adapter, and spray head are firmly connected; loose connections can reduce water flow.

If you are still experiencing issues, please contact our customer service team through one of the methods mentioned at the top of page 1. Please have the item number and order information available to help expedite response time.

SPECIFICATIONS



Operation Voltage	6V DC
Solar Module	1.3W
Max. Water Lift	0.5m
Max. Water Flow	150 LPH
Cable Length	5m

! SAFETY STATEMENTS & WARNINGS !

- Operate the pump in fresh water only.
- Do not charge the solar panel using AC voltage power; it is intended ONLY for DC voltage power.
- Do not use this product to pump flammable liquids.
- Do not use pump with water above 35°C (95°F) and never at or below 0°C (32°F).
- Do not allow any components to freeze. During freezing weather, dry every component and store in a warm, dry indoor location.
- Do not strike the solar panel.
- Do not lift the pump by the power cable.
- Altering of this product or changing components is prohibited.

Any modification to the product or failure to follow recommended care will void the product warranty.

! WARNING:

Manufacturer and seller expressly disclaim any and all liability from personal injury, property damage or loss, whether direct or indirect, or incidental, resulting from the incorrect attachment, improper use, inadequate maintenance, or neglect of this product.