

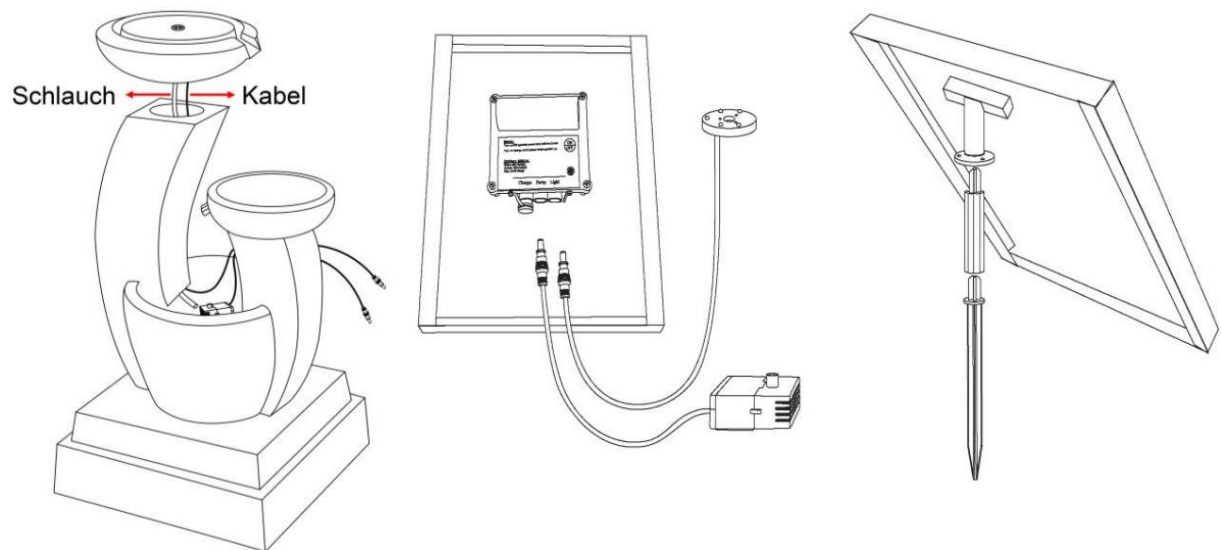
User manual solar fountain solar pump

Item No. F913B Item No. P003C

1. Overview

- The solar pump is designed for use in fountains, ponds, or outdoors. For the pump to function, the solar panel must always be able to charge the battery with sunlight.
- This solar pump is equipped with a battery and can be operated by a touch switch on the housing. The housing can be switched on and off. In the evening, four white LEDs automatically turn on and illuminate the water jet.

2. Assembly



- Unpack all parts carefully.
- Set up the base.
- Guide the hose and the cable of the lighting from above through the lower part to the Water reservoir.
- Connect the pump to the hose.
- Connect the pump cable to the control unit on the back of the solar panel.
- Connect the cable for the LED lights to the control unit on the back of the panel.
- Fill the water reservoir with clean water.
- **ATTENTION:** The pump must be **completely submerged in water** !
- The solar fountain is now ready for use.

3. Warning

- Any modification of the product or its components is prohibited.
- NEVER connect the pump to an alternating current (AC) source. It is only for Suitable for direct current (DC).
- Use only in fresh water (not above 50 °C)
- Keep away from flammable liquids.
- Protect solar panel from impacts and moisture
- Place the panel at an angle so that rainwater can drain away.
- Do not let the pump run dry.

4. Operating instructions

Turn on the pump: Touch the ON/OFF touch switch on the back of the solar panel. The pump will now run for a specified time (depending on the battery charge level) and then switch to solar mode. In solar mode, the pump automatically turns on when exposed to direct sunlight.

Charging the battery: Touch the ON/OFF touch switch for 3 seconds. The pump will turn off and the full solar energy will be stored in the battery.

Battery status:

Green: The battery is fully charged. The pump can operate for approximately 4-6 hours.

Orange: The battery is half full. The pump can operate for approximately 2-4 hours.

Red: The battery is empty and needs to be charged. The pump can operate for less than 1 hour.

Note: The status LED flashes when the pump is turned on. The status LED is solid when the pump is off and the battery is charging.

Note: The solar panel electronics are only active when the pump is plugged in.

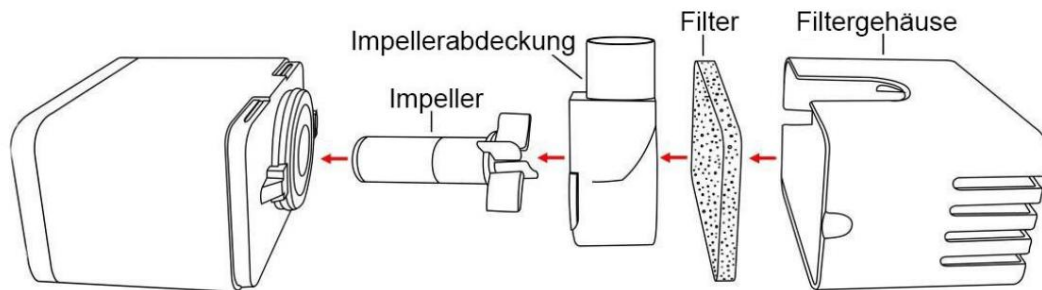
Pump performance in different weather conditions

Weather	1. Pump on 2. Charging through unused solar energy	1. Pump off 2. Charging with full solar energy
	The solar panel powers the pump and charges the battery. The pump continues to run unaffected by clouds passing by. The pump continues to run for half an hour after dark.	The battery is fully charged within one day.
	The solar panel powers the pump and charges the battery with the excess solar energy. The pump continues to run unaffected by passing clouds. The pump continues to run for less than half an hour after dark.	The battery is fully charged within 2-3 days.
	The pump runs when there is sufficient power in the battery. The battery is charged only slightly or not at all to avoid impairing pump performance.	The battery is fully charged within a few days.
	There is no solar power available. The pump will not run without battery power. The battery will not be charged.	The battery is not charging.
If the pump is in solar mode and shuts off due to heavy cloud cover or nightfall, it can be turned back on by pressing the ON/OFF touch switch. The pump will then run until the battery is empty. Note: The lighting only works at night.		

5. Cleaning and care

Pump: If after some time the pump starts to lose power or it stops working,

The filter should be checked for dirt and cleaned. To do this, remove the filter housing and rinse the filter under clean water.



Solar panel: Clean the solar panel and control unit only with a damp cleaning cloth.

DO NOT rinse directly with water.

6. Troubleshooting

- **Pump does not work even though the solar panel is in direct sunlight.**

No connection to the solar panel – Check the connection to the solar panel

Impeller is blocked - To clean the pump, remove the cover as shown above.

Use a small brush or a jet of water to remove dirt.

- **The pump is running, but no water comes out of the head.**

Check hose and pump filter.

7. Technical data

	P003C
solar panel	3 W
Pump voltage	9V DC
Maximum discharge head	1 m
Maximum flow rate	250 L/H
LED light	4 white LEDs
Cable length	5 m
Lithium battery	7.4V - 2000mAh

8. Battery return

Batteries must not be disposed of with household waste. Consumers are legally obliged to return used batteries to public collection points or where such batteries are sold.



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