streetwize Garden

Solar Hand Pump Well Water Feature

With Back-Up On-Demand Lithium Battery *GW281*

Information For Use

To get the best use of this water feature, we highly advise that you read all the information and safety guidelines in this document.

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2. Solar panel with On Demand Lithium Battery
3. Water pump
4. Stake for solar panel

Positioning This Solar-Powered Water Feature

When placing this water feature, ensure the solar panel is placed where it can get the most direct sunlight.

Avoid positioning the solar panel in an area where there is a lot of shade as this will affect the performance.

Assembly Instructions

Please follow the instructions below:

1. Remove the product from its packaging.
2. Place the water feature in a location where the solar panel can receive plenty of direct sunlight.
3. Connect the pump to the integrated tube. Then, thread the wiring of the water pump through the opening behind the unit (see figure 1).

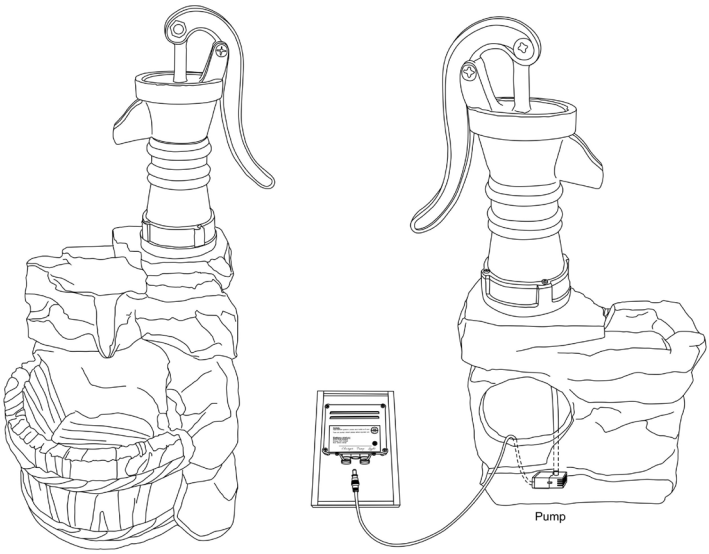


Figure 1

4. Connect the wiring for the water pump to the solar panel (see figure 2). Please note, the charge port for this product is not used, also this water feature is not supplied with a charger cable and it is also not available to purchase. Please ensure this charge socket is well covered to prevent rain/moisture entering.

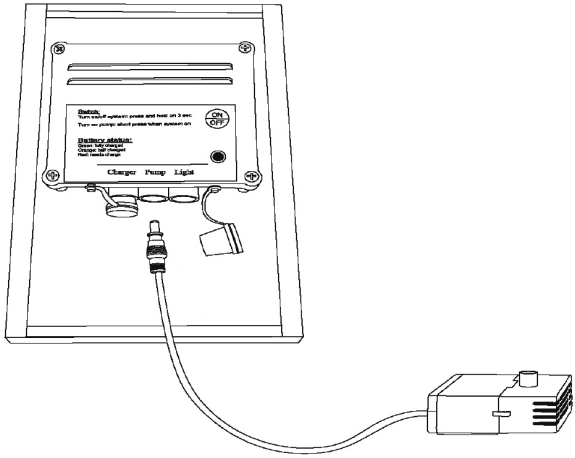


Figure 2

5. Attach the stake to the back of the solar panel (see figure 3) and then secure it into soft ground. Ensure the panel is well-positioned where it can get direct sunlight during the day.

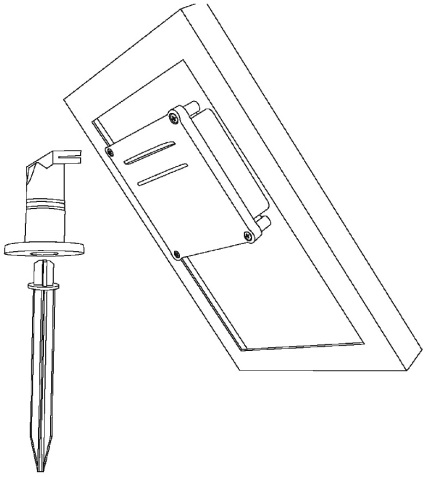


Figure 3

6. Fill the basin with water. The water level should be below the opening at the back of the unit. Ensure the water pump is immersed in the water.

On First Use

The built-in back-up lithium battery in this product will have been 70% to 80% charged upon manufacture. However, on the date of purchase, the battery will lose its charge during shipping and storage. For best results, allow the solar panel to charge the battery for 2 to 3 days in direct sunlight before using the pump.

Direction for Use

This water feature is designed to run during the day in direct sunlight. Any excess power produced via the solar panel will be used to charge the back-up battery. This will allow for running of the pump in the evening. Please note, the evening runtime will vary depending on charge level of battery and weather conditions.

How to Turn On The Unit

To turn on the unit to start running the pump, place your finger on the 'on/off' button on the rear of the solar panel for 1 second.

How to Charge The Lithium Battery

To switch off the pump, place your finger on the 'on/off' button on the rear of the panel for 3 seconds to turn off the pump. When the pump is switched off, all of the charge generated by the solar panel will be stored in the back-up battery.

Please note, this may have to be done periodically during inclement weather.

Battery status

On the reverse side of the solar panel, there is LED indicator light that will show you the battery charge status.

LED Colour	*Status*	*Pump Run Time*
Green	Battery is fully charged	6 to 8 hours
Orange	Battery is at 50% charged	2 to 6 hours
Red	Battery is less than 20% charged	Up to 1 hour

Cleaning and Maintenance

Pump

If the pump stops working or is running slow, you will need to disassemble and clean the pump to remove any debris/limescale from the filter and motor chamber, as shown below:

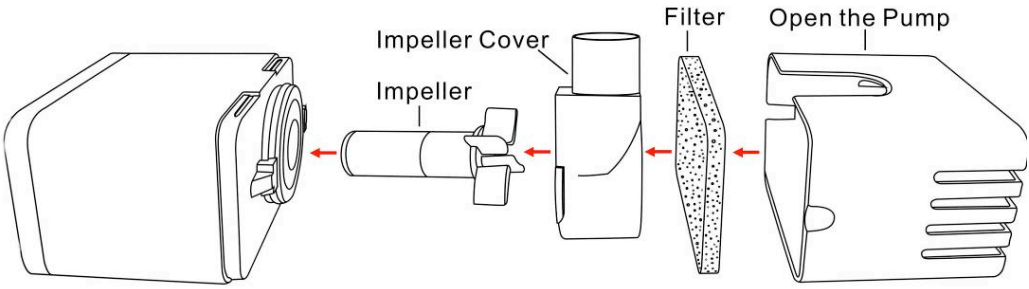


Figure 4

To disassemble the pump, ensure the unit is switched off. Remove the pump from the water tube and take the pump out of the water. Then, remove the pump cover, filter and impeller cover (figure 4). Clean them with fresh water and place them back inside the pump.

Solar Panel

The solar panel should be cleaned with a soft cloth on a regular basis to maintain an optimum efficiency.

Safety Warnings

Do not strike the solar panel.

Do not let the pump run dry for long time.

Do not lift the pump by the power cord.

Only use freshwater when using this water feature.

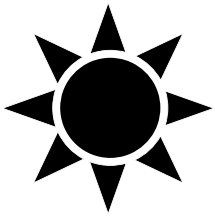
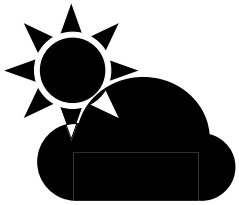
Storage

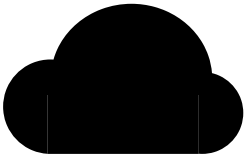
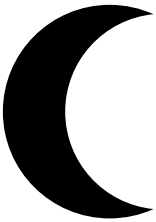
Ensure the battery is fully charged before storing and disconnecting all cables. We recommend the use of a cover to protect the water feature from dust/damage.

Troubleshooting

Troubleshoot	*Potential Cause*	*Pump Run Time*
Pump not operating under full sunlight.	Pump is not connected to the solar panel. Impeller is blocked - to clean the pump, remove the front plate and the impeller. Use a small brush or fresh water to remove any debris.	Check connection to the solar panel. Remove blockage (see cleaning and maintenance.
Pump is operating but water is not running through the fountainhead.	Build-up of sediment or limescale inside the pump.	Clean tubes and filter (see Cleaning and Maintenance)

Pump Performance In Different Weather Conditions

Weather	*Pump On*	*Pump Off*
	Solar energy runs the pump and charges the battery. Pump performance is maintained when brief cloudy conditions occur. Pump runs up to 5 hours in the evening.	Battery should be fully charged in 2 to 3 days.
	Solar energy runs the pump and supplies some energy to the battery. Performance is maintained when the clouds pass. Pump will only run a shorter period of time in the evening.	Battery will take 2 to 3 days to fully charge.

	Pump will only run when there is sufficient power from the battery. Little or no battery charging occurs so pump performance is not maintained.	Battery will take several days to fully charge.
	No solar power is available, the pump will not run and battery will not charge.	Battery will not charge.

Technical Specification

Product	Gardenwize Hand Pump Well Solar Water Feature
Supplier Code	GW281
Solar Panel	2W
Operation Voltage	6V DC
Water Flow Max	200LPH
Water Lift Max	0.8M
Cable Length	5M
Lithium Battery	3.7V-2000 mAh

WEEE

The WEEE symbol on this product means that the Water Feature should be ethically dismantled or recycled to minimise environmental impact. Please check with your local authority for more information.

Manufacturer's Warranty: This product comes with a 12 month manufacturer warranty which starts on the date of purchase. The warranty covers technical faults during the 12 month period. Any issues caused by accidental damage or wear and tear is not covered by this 12 month manufacturer warranty.

For any warranty queries, please contact the retailer where you purchased the product.

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