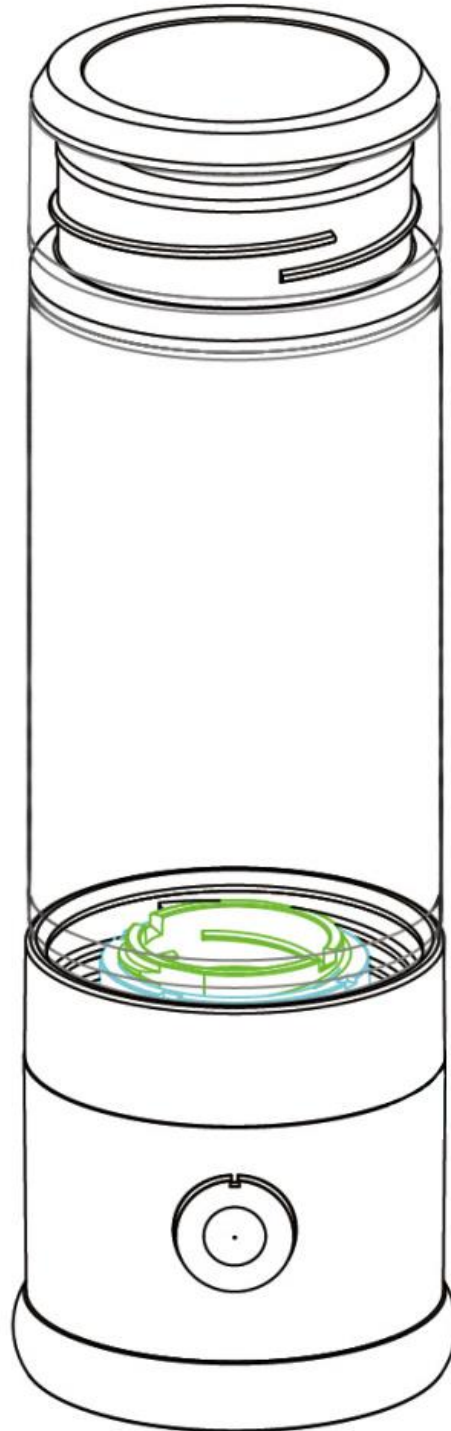


Hydrogen POD

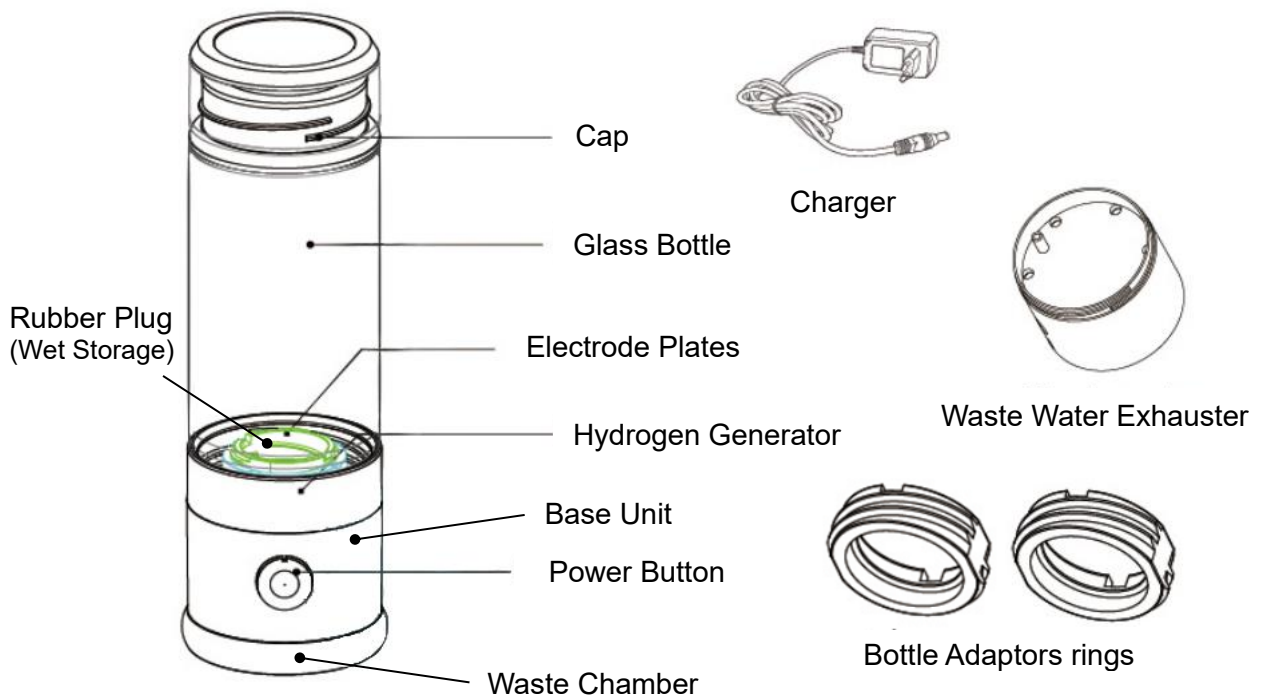
Hydrogen Generator Water Bottle



Model: HB-H04

Version: 02

Product Parts Diagram



Using and Maintenance of Battery and Charger

1. Before using for the first time, connect bottle to adapter and fully charge. The red-light flashes while charging and stops flashing when charging is complete.
2. Keep charger dry and avoid exposure to direct sunlight.
3. The battery has an expected life of 400 charges.
4. **ONLY USE THE CHARGER PROVIDED to charge your Hydrogen Pod. DO NOT connect the Hydrogen Pod to any other device for charging, as it may damage the device.**
5. **Keeping the Hydrogen Pod plugged in all day and during use may prematurely cause the battery to fail or potential may catch on fire.**
6. **DO NOT Keep the Hydrogen Pod plugged in.**
7. **DO NOT turn power on when there is no water in the bottle or covering the electrode plates!**

Instructions to Operate

1. Unscrew the glass bottle from the unit. Clean the glass bottle with warm soapy water and dry before using.
2. Remove the rubber plug from the base (keep aside and store in a safe place). After using the Hydrogen Pod leave a little water covering the plates (wet), then replace the rubber plug to keep the electrode plates from drying out.



3. Screw glass bottle back onto the base.
4. Before using the bottle for the first time
 - a. Fill the bottom of bottle with 25mm (1 inch) of water and let sit for 4 hours to saturate the Solid Polymer Electrolyte (SPE) membrane. If the bottle is left dry for long periods of time you will want to repeat this step.
5. Unscrew top cap. Fill glass bottle with good quality (filtered) drinking water to **25mm** below the rim, then screw lid back on firmly.
6. **Must be used on a solid flat surface.**
7. Power button selections:
 - a. Pressing once: The power button indicator light will turn blue, producing hydrogen (H₂) for 5 minutes.
 - b. Pressing twice: will turn the indicator light green, producing 7 minutes of hydrogen (H₂) production.
 - c. Pressing the button for a third time will turn power off.
8. Once the Hydrogen (H₂) production is completed the power button light will turn off.
9. You can drink the hydrogen water directly out of the glass bottle or pour it into another glass or bottle. It is best to drink water within one hour as hydrogen will dissipate rapidly over time.
10. If the power button light flashes red, this means the battery power is low and needs to be charged.

Keeping the Hydrogen Pod plugged in all day and during use may prematurely cause the battery to fail.

DO NOT Keep the Hydrogen Pod plugged in.
11. After using the Hydrogen Pod 3 or more times, there may be a little wastewater in the waste chamber. Unscrew the bottom section of the base unit and discard the water. If there is no water in the waste chamber operate as normal. The Hydrogen Pod controls

pressure so that waste Ozone (O₃) and Chlorine (CL) can be discharged as a gas.

12. Attaching a drinking water bottle.



- Choose a suitable bottle adaptor ring that matches the thread on the bottle neck.
- Screw to the bottle adaptor ring into the top of the base firmly. Use the generator cover on its edge, aligning its edge with the notches in the bottle adaptor ring and tighten (refer to image above).
- Fill bottle with good quality (filtered) drinking water to just below the bottles thread.
- Screw the generator base unit onto the bottle check for leaks.
- Turn over the assembly so the base unit is beneath the bottle (refer the image above).
- Then follow instruction number 6 above to start the hydrogen generator.

Maintenance Method

- Daily cleaning: Rinse inside of bottle with water. Fill half full and shake vigorously. Pour off water leaving a small amount in bottom covering the electrode plate, then replace rubber plug and screw on glass bottle.
- Periodic cleaning: Use citric acid to clean the electrode plates. These plates are located in the top of the base unit. Over time these plates collect mineral deposits and scale. To clean, fill bottle half way and drop in 5 grams of citric acid, allow to soak for 2 hours, shake several times and pour off dirty water. Rinse again with clean water.
- Odour treatment: After long periods of use the bottle may give off an odour. Pour in 60°C to 70°C hot water and soak for 5 minutes to eliminate. DO NOT use water over 80°C in the bottle.
- DO NOT POUR BOILING WATER INTO THE GLASS BOTTLE IT WILL DAMAGE OR BREAK THE GLASS.
- DO NOT clean glass bottle with detergents or volatile solvents. Mild soap and water work best to clean the glass bottle.
- DO NOT soak the base unit in water. It contains electrical components that can be damaged by immersing in water.

Important Information

1. This Hydrogen Pod is not a water filter.
2. We recommend to only use filtered water or high-quality water in the Hydrogen Pod (i.e. UltraStream water or purified or filtered water).
3. To receive the best results and the highest quality Hydrogen (H₂) water we recommend using good quality drinking water (UltraStream water or purified or filtered water).
4. DO NOT use soda drinks in the hydrogen generator. They will generate too much pressure that can damage the glass bottle and the generator.
5. Storage of hydrogen water: It is best to drink water within one hour as hydrogen will dissipate rapidly over time. You may store the Hydrogen water in the refrigerator. A sealed container will keep it active for approximately 1 hour or longer if need be.
6. Keep the bottle away from direct sunlight.
7. Keep the bottle away from freezing temperatures.
8. Warranty service should only be done by an AlkaWay-authorized repair person.

Product Specification

Power	USB 5V / 2A OUTPUT >10W
Technology	Electrolysis technique using advanced Solid Polymer Electrolyte (SPE) and Polymer Electrolyte Membrane (PEM) technology.
Battery life	400 charges.
Bottle Capacity	300 / 380 ml.
Water Type	Bottled water, UltraStream water, purified water or filtered water.
Operation	Separates Hydrogen and Oxygen from the water. Hydrogen water without ozone, chlorine and oxides
Dimensions	67mm x 205mm / 230mm H
Unit Net Weight	545 gm
Hydrogen generation range	Up to 1.2 – 2.1 ppm (depends on processing time and water quality)
ORP Range	-350mv to -750mv
Bottle Material	Borosilicate Glass Type of glass with silica and boron trioxide. Borosilicate glass is known for its thermal shock resistant, more so than any other common glass.
Warranty	1 year

Trouble Shooting Guide

No visible bubbles	<ul style="list-style-type: none"> • Check power source • Remove plug and obstacles
Light blinks when operating unit	<ul style="list-style-type: none"> • Low battery • Charge Unit ASAP
Low ppm levels when tested with H2Blue drops	<ul style="list-style-type: none"> • Allow 7 days to break-in • Operate the unit more times to activate PEM membrane • Check H2 blue drops expiry date (from manufacture)
Wetness in generator	<ul style="list-style-type: none"> • Units are shipped wet
Battery not charging	<ul style="list-style-type: none"> • Check for defective plug or cable
The unit is leaking water	<ul style="list-style-type: none"> • Check all seals, tighten cap • Check or empty waste chamber • Fill water to ½ way up the glass bottle thread
Bottle has odour or unit makes less gas	<ul style="list-style-type: none"> • Clean and descale as needed (see Period Cleaning above) • Use a different water source
Unit stopped working	<ul style="list-style-type: none"> • Contact AlkaWay Support
Glass bottle broke	<ul style="list-style-type: none"> • Contact AlkaWay to order a replacement
Unit stopped charging	<ul style="list-style-type: none"> • Contact AlkaWay Support
<p>For all other issues or unsolved problems contact AlkaWay Support: info@alkaway.com.au</p>	

