POWEROLOGY

Powerology

4-Stage Reverse Osmosis Water Purifier Dispenser with Connect Pipeline Water and Water Tank

SKU: PSROWTRD

Table of Contents

Before using the product, please carefully read this User Manual to guarantee correct usage and keep it secure for future reference.

Overview

This machine utilizes RO reverse osmosis filtration technology, rapid heating technology, and compressor refrigeration technology, all integrated into a single, easy-to-install table-top carbonating water purifier. It effectively removes harmful substances from water, ensuring the safety and quality of your drinking water every day. Additionally, the water purifier features a rapid heating function that can heat water to a drinkable temperature within three seconds and integrates seamlessly with the waterway structure for simpler and safer use.

This machine is suitable for placement in various locations, including the living room, bedroom, office, and more. It operates conveniently when plugged in, making it an efficient choice for obtaining safe and healthy drinking water. It is the ideal solution for your hydration needs.

Safety Precautions

1. Unpack the package and allow the machine to stand for 24 hours before use.

2. The machine features a forced water change reminder. When the water change indicator is activated, the concentrated water in the tank must be emptied and replaced with fresh tap water. It is strictly prohibited to continuously add water to the tank.

3. The machine must not be moved without emptying the water tank first.

4. Do not wash the machine with water.

5. Avoid using universal sockets and other electrical appliances simultaneously. A socket rated for at least 10A must be used.

6. Do not place the water receiver in a suspended position; it should be placed on a stable surface.

7. Avoid adding turbid tap water, ice cubes, or other mixed liquids such as milk and fruit juice to the water tank.

8. Do not extend the water outlet nozzle into the cup rim while filling, as this may obstruct the outlet nozzle and cause boiling water to spill.

9. Children aged 8 and older, as well as individuals with physical, sensory, or mental disabilities, can use the drinking machine if they are supervised and understand the associated risks. Adults must supervise children who are cleaning or maintaining the machine.

10. Replace the power line if damaged, consulting the manufacturer, a service agent, or qualified professionals to avoid risks.

11. Stop using the machine when the water temperature is below 5°C or above 38°C to prevent damage.

12. After dispensing cold water immediately following hot water, be cautious as the temperature of the dispensed water may still be high, posing a scalding risk.

13. If the quality of the raw water does not meet municipal standards, including high silt content or excessive total dissolved solids (TDS), this may reduce the lifespan of the filter element.

14. For safety, always position the water purifying and drinking machine on a stable, flat surface with no more than a 10° tilt.

15. The operating voltage range for the machine is 220V±10 %.

16. It is standard for the machine to contain some residual water upon delivery following a full inspection at the factory.
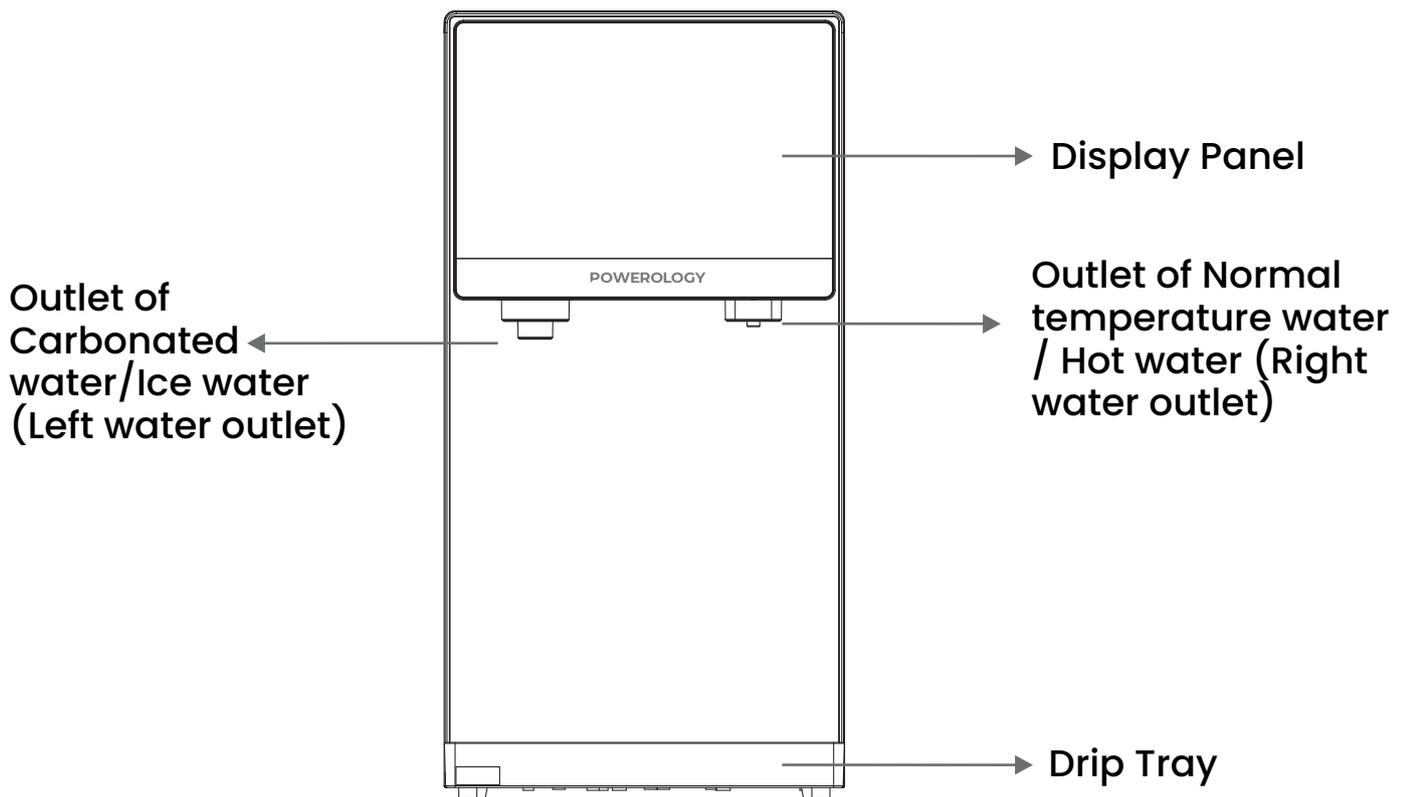
Package Contents

1. Reverse Osmosis Water Purifier Dispenser

2. Drip Tray

3. Inlet valve, ball valve, flange
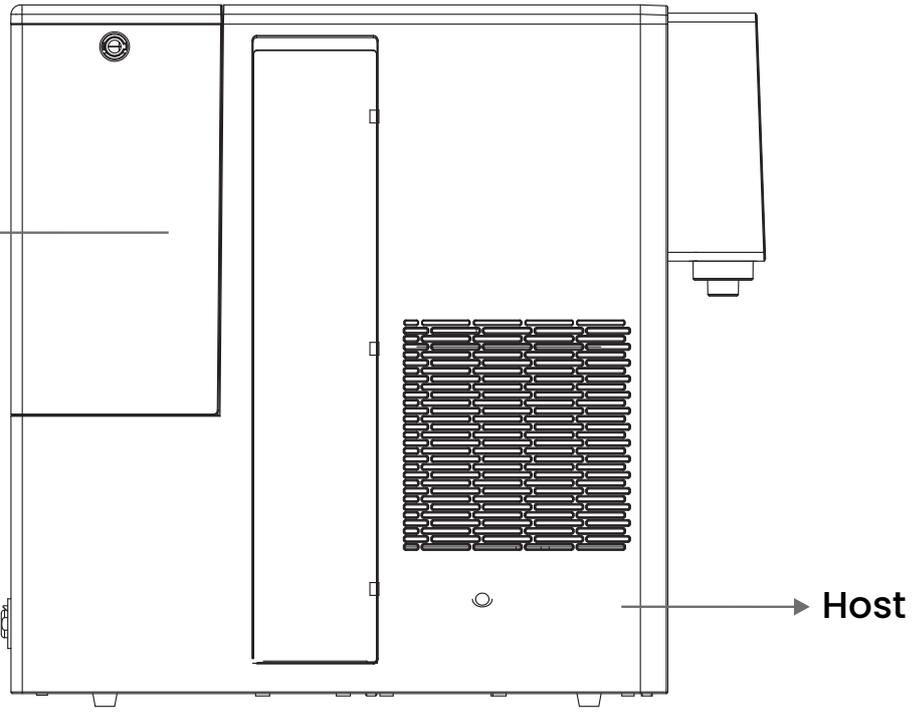
4. PE water pipe

Specifications

Rated Voltage	220V, 50Hz
Rated Power	2300W
Rated Heating Power	2200W
Rated Cooling Power	120W
Power Cord	UK 3-Pin Plug
Water Tank Capacity	5L
Water Heating Capacity	18L/H (≥90°C)
Water Cooling Capacity	3L/H (≥4°C)
Net weight	20KG
Dimensions	467×220×430mm

Schematic View

Display Panel

Outlet of Normal temperature water / Hot water (Right water outlet)

POWEROLOGY

Outlet of Carbonated water/Ice water (Left water outlet)
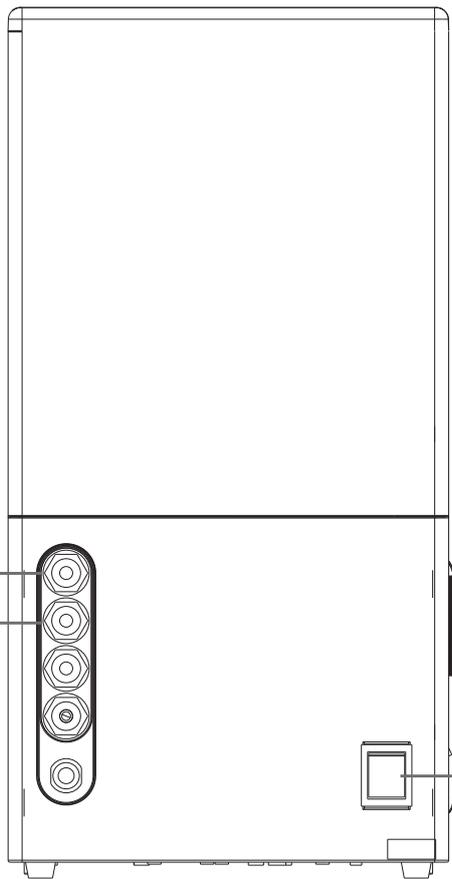
Drip Tray
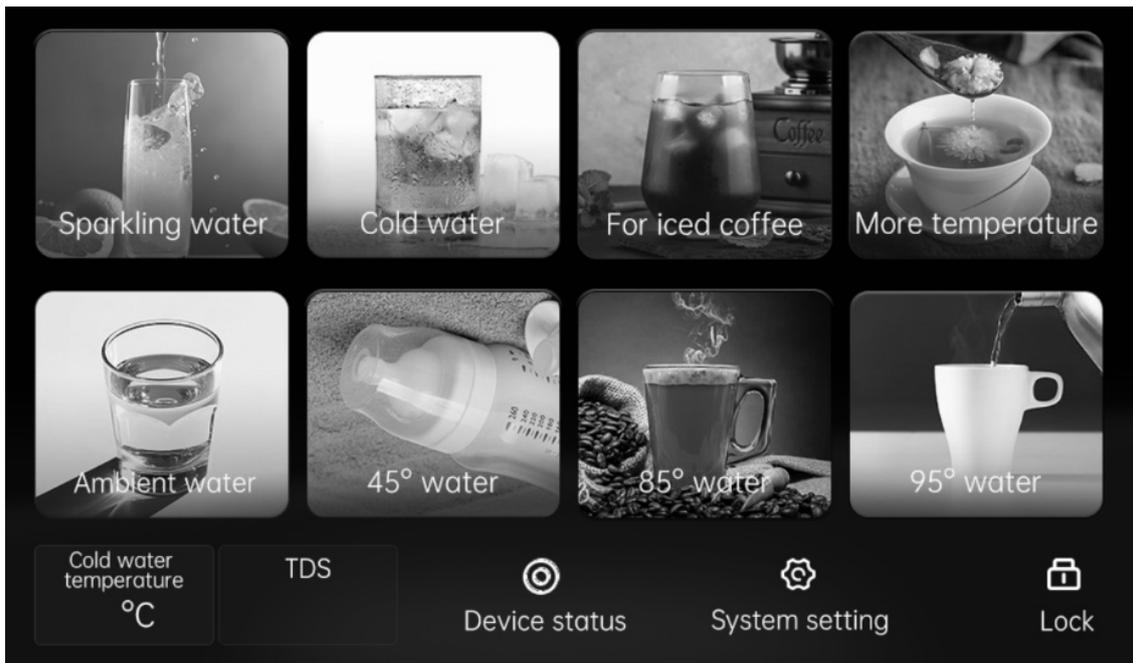
Water tank cover

Water tank

Host

Water outlet

Water inlet

Power supply

Instructions for Use

Plug in the device and turn on the power. Upon completion of initialization, indicated by a 'Ding' sound, the display panel will illuminate. The device will automatically enter sleep mode if no activity is detected within 5 minutes. To reactivate the display, touch the main screen.

Notes: In standby mode on the main screen, a 'Ding' sound indicates activation with each press of the functional button. Upon powering on, the right-side water outlet will dispense normal temperature water within five seconds on the first use.

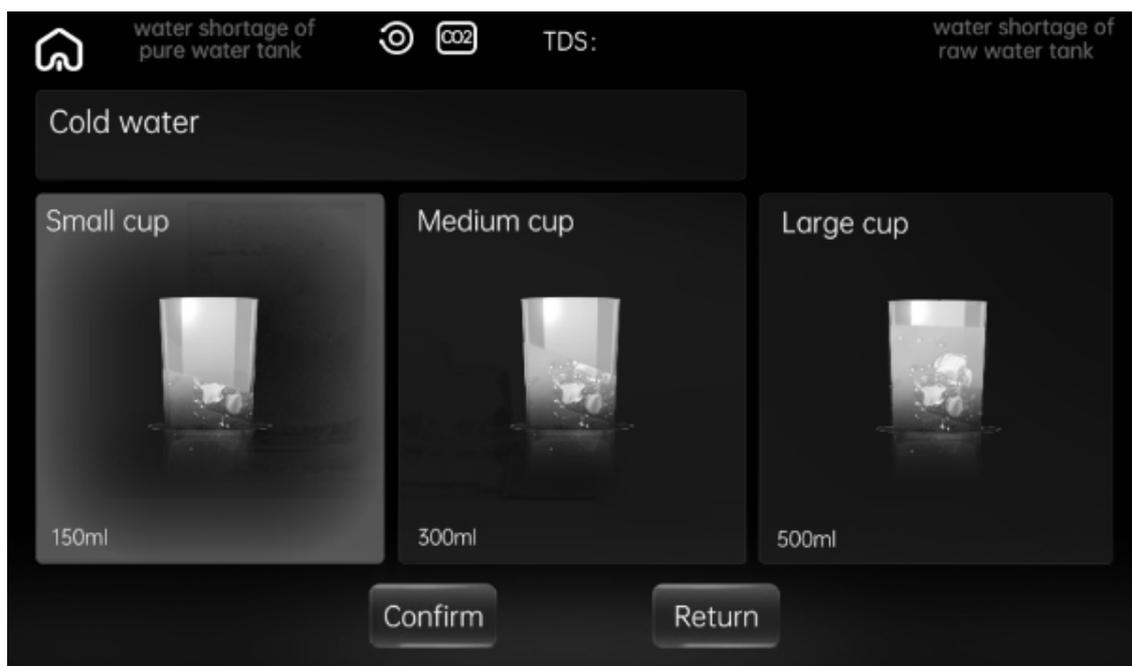## [A] Cold Water

1. Press " " to activate.

2. A blue LED will illuminate, and the interface will navigate to the selection screen.

3. Choose your desired water volume (150ml, 300ml, or 500ml) and set the temperature for cold water.

Note: This setting configures the temperature for future use and does not affect the current operation.

4. Confirm your selection to proceed. The screen will then transition to the dispensing interface where the left-side water outlet will release the water.

5. Once dispensing completes, the display will revert to the previous menu.
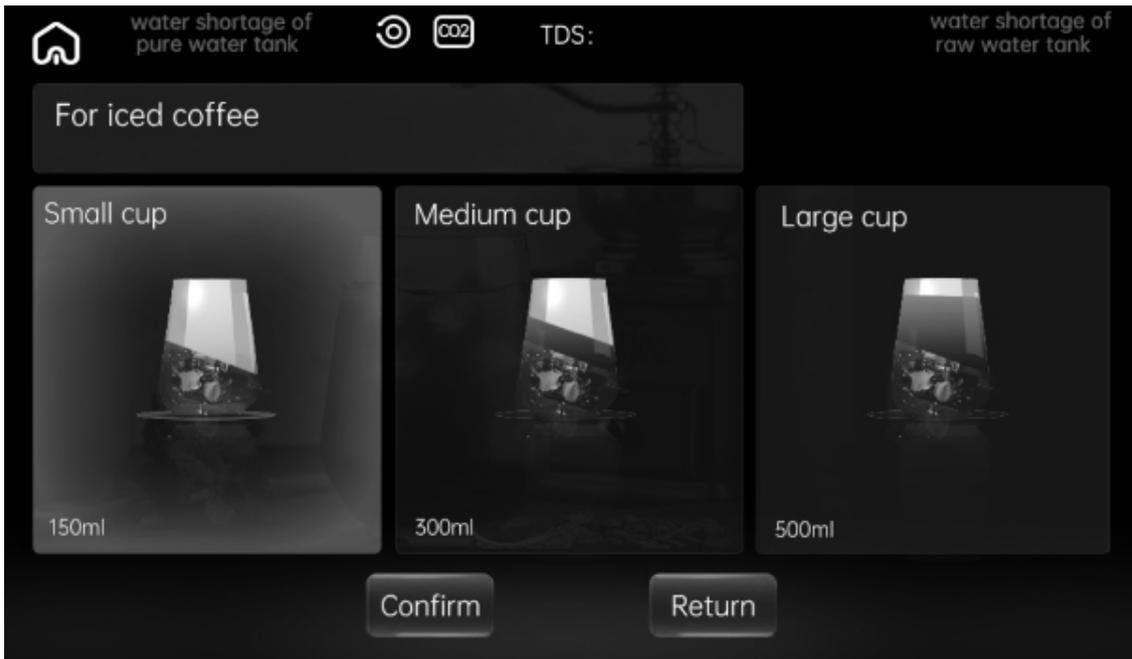

[B] Ice Coffee

1. Press " " to activate; the blue LED indicator will light up.

2. The screen will then direct you to the selection page where you can choose the desired amount of coffee (150ml, 300ml, or 500ml).

3. Confirm your settings to proceed. Following confirmation, the screen will switch to the dispensing interface and the left-side water outlet will begin to dispense your beverage.

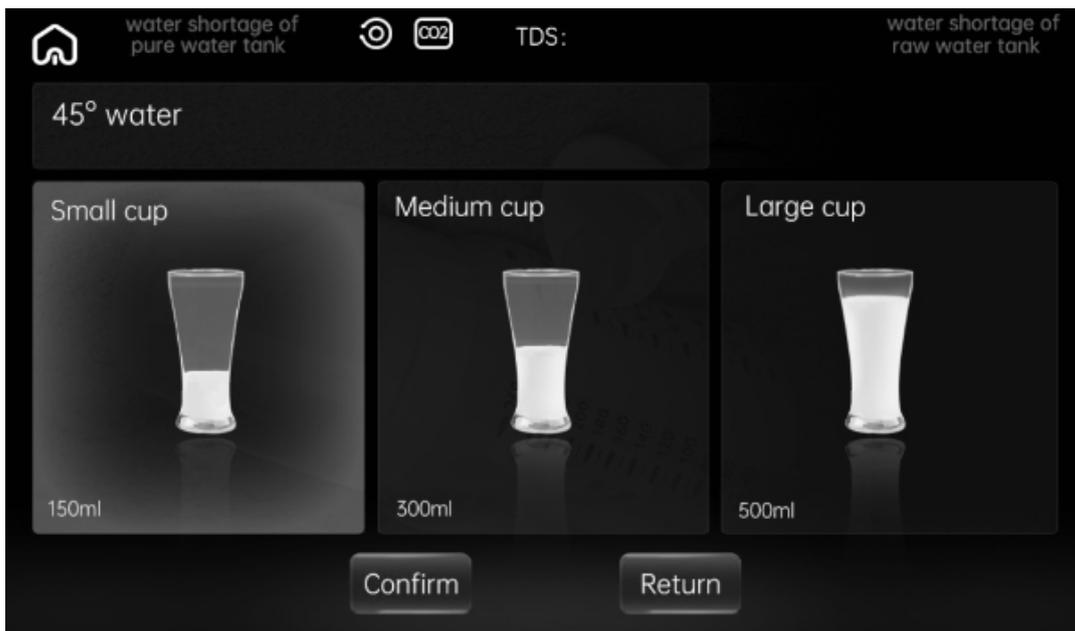**4.** The display will return to the initial screen once the dispensing is complete.

[E] For 85°C Water

1. Press " " to activate the red LED, which will direct you to the selection screen.

2. Choose your desired water amount from the options: 150ml, 300ml, or 500ml.

3. Confirm your selection. The display will then transition to the dispensing interface and hot water will be dispensed from the right outlet.

4. Once the process completes, the screen will revert to the main menu.

[F] For 45°C Water

1. Press " " to activate the yellow LED, which will navigate you to the selection screen.

2. Choose your desired water volume from the options: 150ml, 300ml, or 500ml.

3. Confirm your selection. The display will transition to the dispensing interface, and water will be dispensed from the right outlet.

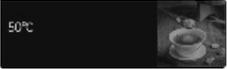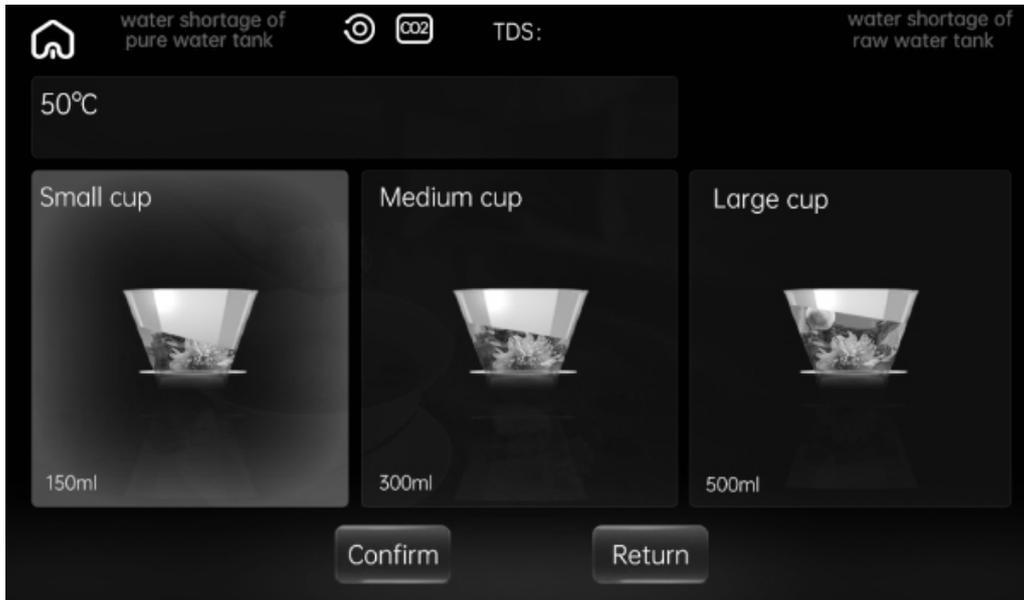**4.** The screen will revert to the main menu upon completion of water dispensing.

[G] Other Temperature Settings

Press " " to navigate to the temperature selection screen, where you can choose between 80°C, 70°C, 60°C, or 50°C water.
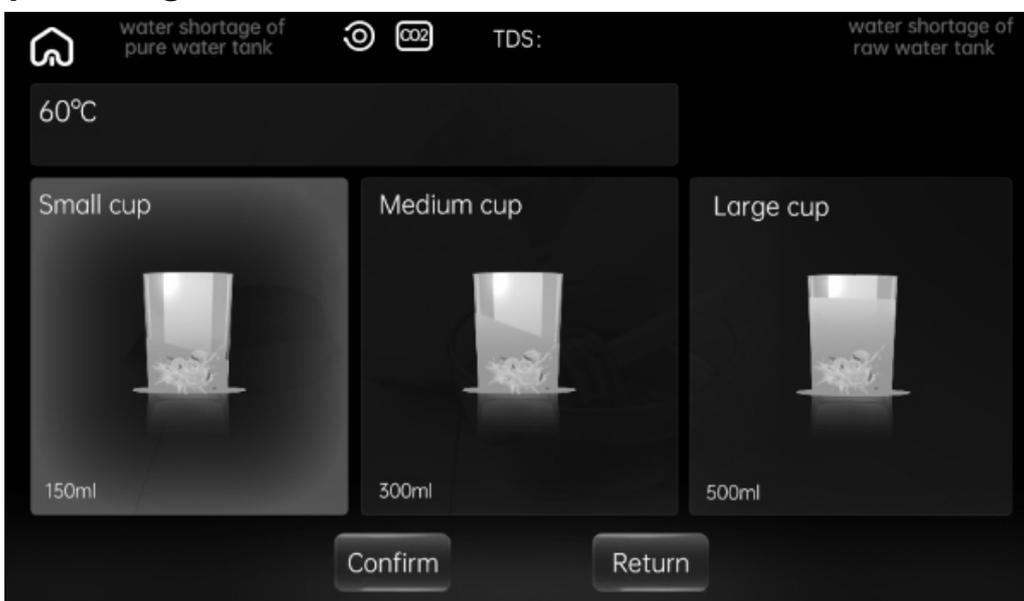
[H] For 50℃ Water

1. Press " " and a yellow LED will light up. This will direct you to the selection screen where you can choose a cup size: 150ml, 300ml, or 500ml.

2. Confirm your selection. The screen will then display the outlet page, and water will be dispensed from the right side outlet.

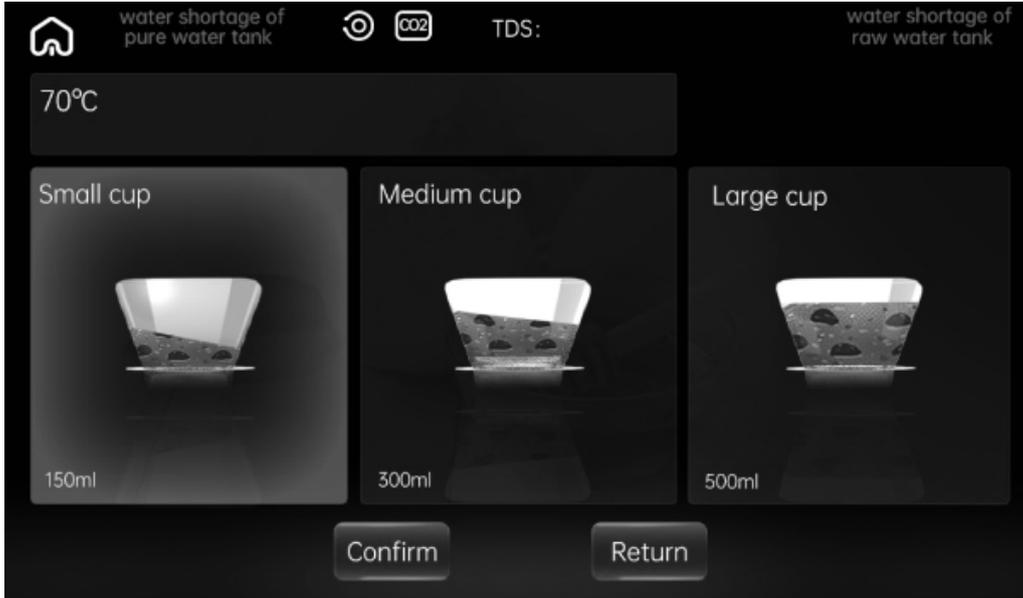**3.** After dispensing, the display will revert to the initial screen.

[I] For 60℃ Water

1. Press " " and a yellow LED will illuminate, directing you to the selection screen.

2. Choose your desired cup size: 150ml, 300ml, or 500ml.

3. Confirm your selection. The screen will transition to the outlet page, where water will flow from the right side outlet.

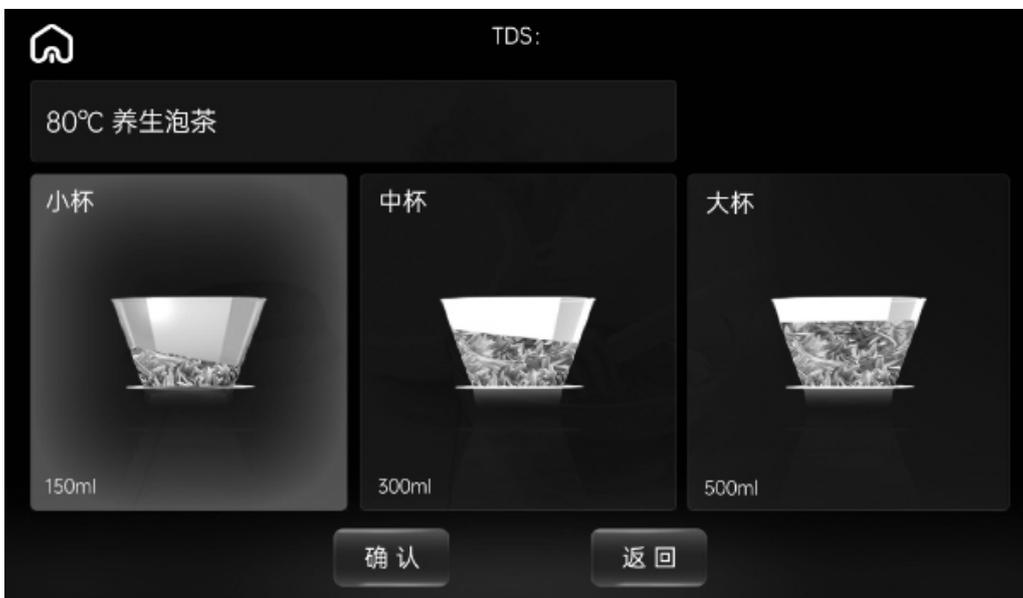**4.** After dispensing, the screen will revert to the initial selection page.

[J] For 70°C Water

1. Press " " and a red LED will illuminate, directing you to the selection screen.

2. Choose the cup size: 150ml, 300ml, or 500ml.

3. Confirm your selection. The screen will transition to the outlet page, and water will flow from the right side outlet.

4. After dispensing, the screen will revert to the initial selection page.

[K] For 80°C Water

1. Press " " and a red LED will illuminate, guiding you to the screen page where you can choose the cup volume: 150ml, 300ml, or 500ml.

2. Confirm your selection when done. The screen will transition to the outlet page, allowing water to flow from the right side outlet.

3. It will return to the selection page once dispensing is complete.

Filter Status Guide

The system will alert you to replace the filter when its lifespan is depleted and automatically navigate to the Reset screen page.

Filter life remaining > 20 %

Filter life between 20 % and >0 %

Filter life: zero

Machine Fault: When a fault occurs, the machine status button on the main screen will turn red and the display will automatically switch to the corresponding screen page.
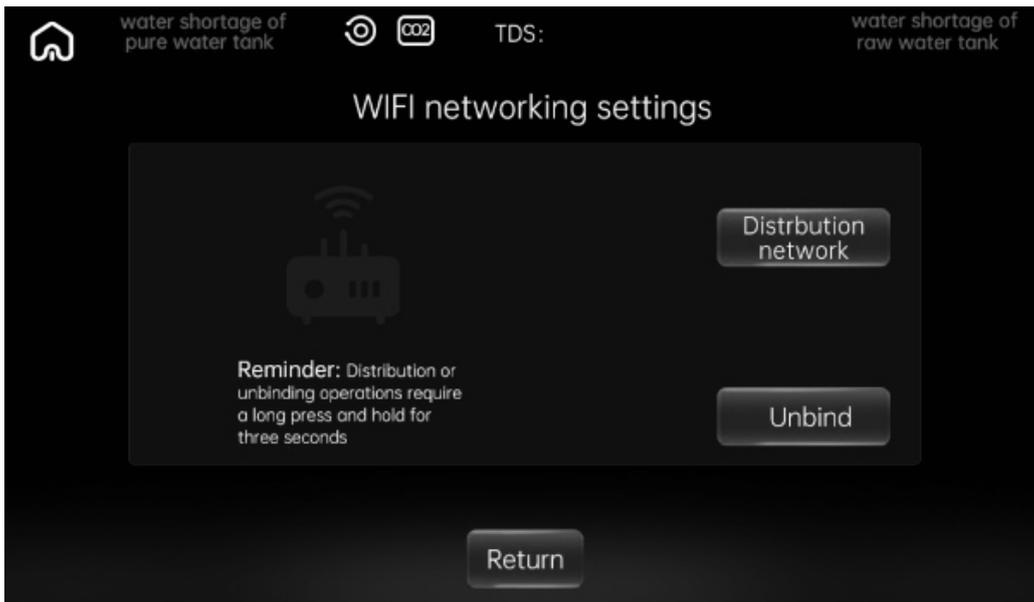
Lock function

Press once to activate the lock and press again to deactivate.

WiFi Network Setting

To reset the network using the mobile app, click the reset option. The screen will display instructions if the connection is successful. If the network is already connected, pressing reset will unbind the WiFi and enter the network reset status.
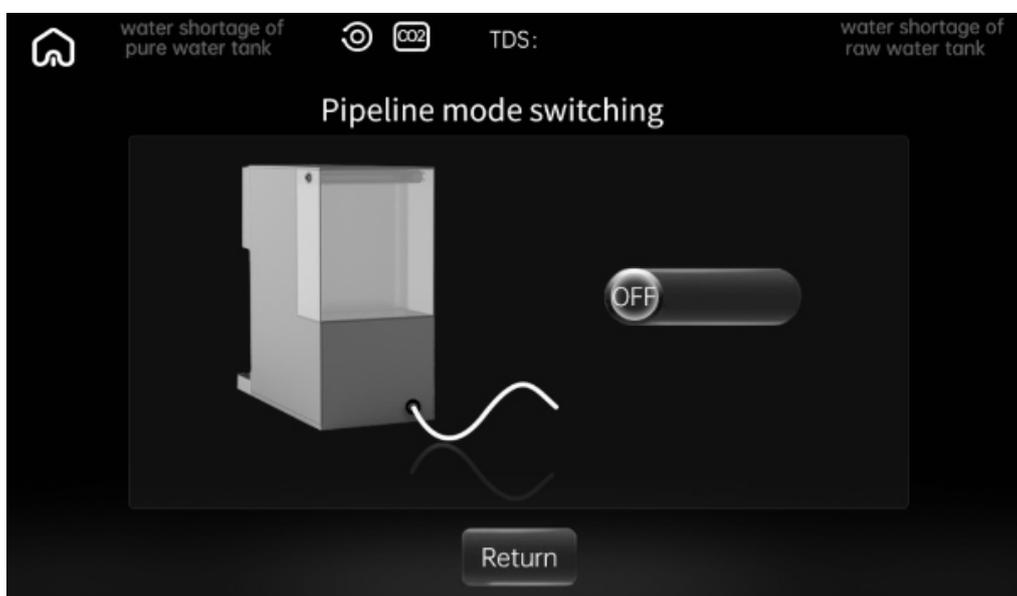
UV Sterilization

To start or stop UV sterilization, press "System Setting," then select "UV Sterilization" to control the UV sterilization process of the machine.

Switching to Pipeline Mode

The default setting operates with the original water tank mode. If switching to pipeline mode is necessary, press this button to activate it, and the machine will remember this setting. When in pipeline mode, ensure the input and waste water pipes are properly connected. Before pressing the drain button, turn off the tap water faucet while in pipeline mode.

Note: Both left and right water outlets under the display panel will drain simultaneously.

Initial Setup

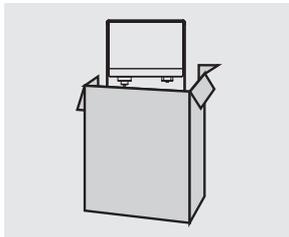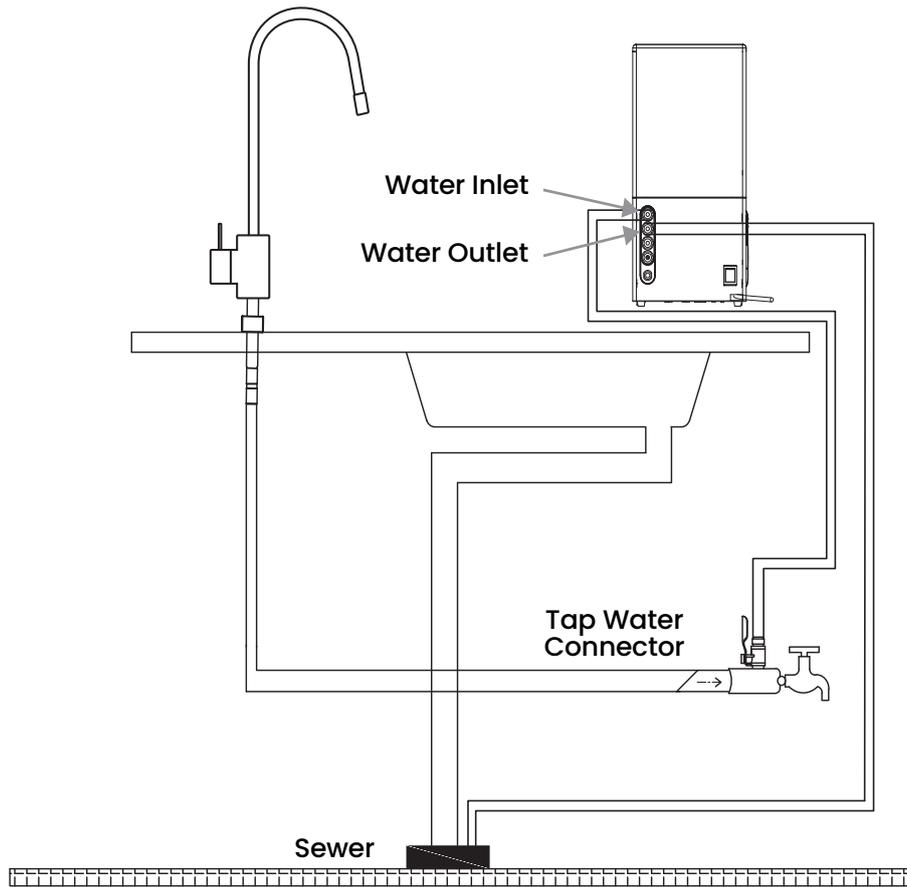**1.** For initial use or after replacing the filter, activate the "Self-Cleaning" function. To do so, press "System Setting" on the main screen and select the "Self-Cleaning" feature for automatic cleaning.

2. Select "Drain" mode to empty all water from the tank. During this process, both outlets will release water simultaneously. Ensure containers are placed under both outlets.

3. Once draining is complete, press "Start" to begin "Self-Cleaning." After the cleaning is finished, water flow from both outlets will stop.

4. After self-cleaning is complete, refill the water tank.

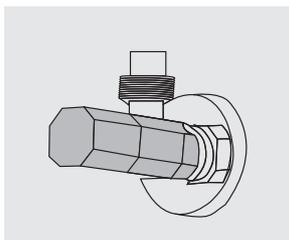**Note:** If additional cleaning is required, repeat step 2.

Notes:

1. A buzzer will emit a "Ding" sound each time the operation is valid when pressing the button.

2. The machine will perform a 5-second cleaning when starting operation or after refilling the water tank. The water icon will light up on the display panel during this process.
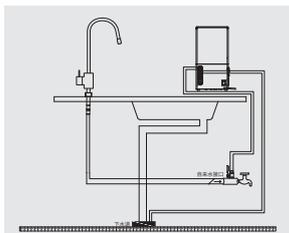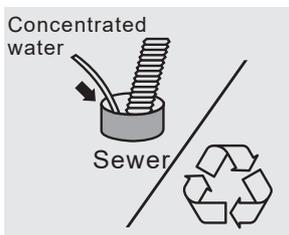
Installation Instructions

Water Inlet

Water Outlet

Tap Water Connector

Sewer

1. After removing the product from the packaging, place it on a flat surface, such as a desktop or countertop.

2. Install the inlet ball valve on the angle valve, then attach the PE water pipe to the inlet at the rear of the unit. (Note: Ensure the PE pipe is tightly inserted.)
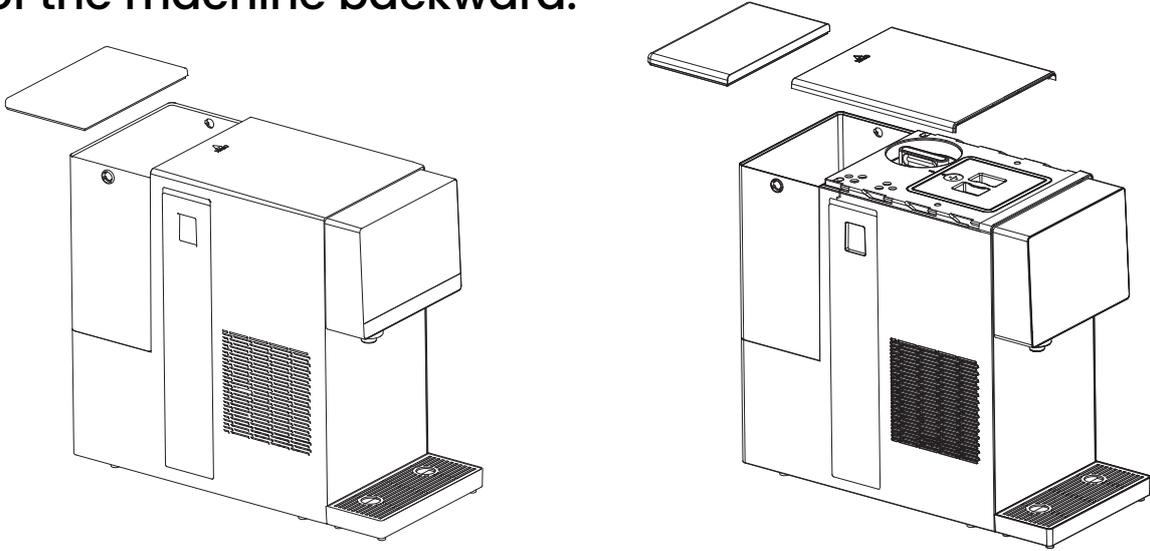

3. Connect the pipeline following the stage installation schematic diagram (refer to the diagram on the right for detailed instructions on waterway installation).
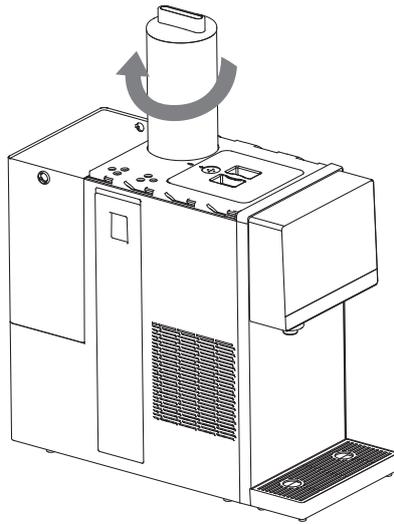

Concentrated water

Sewer

4. The concentrated water can either be discharged directly into the sewer or recycled.
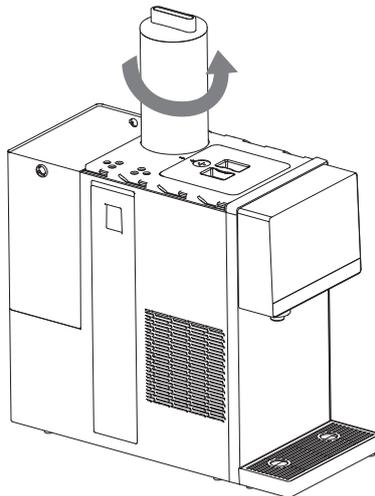
Filter Replacement

Step 1: Turn off the power, open the water tank cover, and push the top lid of the machine backward.

Step 2: Rotate the filter counterclockwise and lift it out.

Step 3: Install the new filter and rotate it clockwise to secure it tightly.

Step 4: Press the machine status button to access the filter replacement mode, then press reset. After completing the filter replacement, it is recommended to use the self-cleaning function to clean the new filter.

Note: To ensure the safety of drinking water, only the original filter element should be used for replacements.

Filter Function

Filter Name	Filter Type	Function	Replacement Period
RO	4 in 1 RO Reverse Osmosis Composite Filter Element	Removes impurities such as silt, rust, sand, suspended solids, and bloodworms. Eliminates residual chlorine, germs, heavy metals, and absorbs unpleasant tastes and odors. Prevents germ growth and enhances the overall taste of the water.	24 Months

Troubleshooting

If the machine malfunctions, please consult the troubleshooting information in the table below. If the issue persists, contact your local maintenance service.

Problem	Solution
The machine cannot produce water.	1. Check whether the water tank has enough water. 2. Check whether the filter element is blocked due to too much dirt.
Water flow is smaller.	Check whether the filter element is too dirty or used beyond the service life.
Water seepage at the screw interface.	1. Check whether parts on the machine have been dismantled without authorization. 2. Check whether parts are screwed tightly to avoid any leakage. 3. Check whether the silicone seal ring is worn out or damaged.
Electricity leakage and induced electricity on the machine body.	The machine is grounded poorly.
Machine does not heat.	1. Ensure the dispenser is connected to the power supply. 2. The temperature-controlled protector on the heating barrel is not reset.
Machine is not cooling.	1. Ensure the machine is connected to the power supply. 2. The cooling function is turned off.

* If the power cord is damaged, it must be replaced by an authorized service provider to prevent potential hazards. Avoid pinching, folding, knotting, or damaging the power cord.
* Installation must be carried out by professionals. Attempting to disassemble the product on your own may result in product damage or electric shock. Handling or moving the machine improperly can lead to malfunction and potential damage.

Error Guide

Error Code	Cause	Solution
E1	Prolonged incomplete water production.	Unplug the power cord and plug it in again.
E2	Inlet water temperature NTC open circuit	Contact the service professionals.
E3	Outlet water temperature NTC open circuit	Contact the service professionals.
E4	Inlet water temperature is too low.	Avoid using water above 3ºC.
E5	Hardware circuit board fault detected.	Contact the service professionals.
E6	Water leakage detected in the machine.	Contact the service professionals.

Harmful Substances Compliance

To comply with laws, regulations, and other requirements regarding the limitation of harmful substances in electronic and electrical products, our company provides the following statement after a thorough internal review based on the category of parts.

Part Name	Harmful substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	biphenyls (PBB)	Polybrominated Polybrominated biphenyl (PBDE)
Filter element	○	○	○	○	○	○
Solenoid valve	○	○	○	○	○	○
Self-priming pump	○	○	○	○	○	○
Water suction pump	○	○	○	○	○	○
Silicone and rubber sealing parts	○	○	○	○	○	○
Components of computer board	X	○	X	○	○	○
Other metal structural parts	X	○	○	X	○	○
Power adapter	X	○	○	○	○	○
Plastic parts	○	○	○	○	○	○
Wires	○	○	○	○	○	○
Water storage tank	○	○	○	○	○	○
Power line	X	○	○	○	○	○
Package printing parts	○	○	○	○	○	○

This form is prepared in accordance with the provisions of SJ/T 11364. Please note that some models may not include all parts listed in this form. The electric control board component consists of elements, PCBs, wiring terminals, and more.

Note:

O: Indicates that the content of hazardous substances in all homogeneous materials of the part complies with the limits set by GB/T 26572.

X: Indicates that the content of hazardous substances in some homogeneous materials of the part exceeds the limits established by GB/T 26572.

Parts marked with "X" contain harmful substances that cannot be replaced due to current technological limitations in the industry.

Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**
Website: **powerology.me**
Instagram: **powerology_official**
Facebook: **powerology.ME**