



What is SUNLIFEWATER?

The SUNLIFEWATER Flow-Through Solar Thermal Water Pasteuriser Technology uses free solar heat to make dangerous bio-contaminated water safe to drink:

Where: sunny tropics, sometimes beyond
Scale: family and community scale
Size: 2.5m long, 1.3m wide, 0.8m high
Weight: 50 kg, fully assembled
Inputs: sunshine and dirty water
Makes: drinking water, typically 150 l per day
Method: thermal destruction of pathogens

- *SUNLIFEWATER is the size of a bed*
- *SUNLIFEWATER can be flat-packed*
- *SUNLIFEWATER can be set up easily*
- *SUNLIFEWATER built to last 20 years*

Value: SUNLIFEWATER offers great value, with lifetime clean water costing only 0.2p per litre. Similar to the cost of UK mains water, and fifty to a hundred times lower cost than own-brand supermarket bottled water.

SUNLIFEWATER saves money and lives.

SUNLIFEWATER – OUR VISION

*Save 500,000 lives in 15 years **our dream***

*Robust water disinfection **our solution***

*Solar into healthcare **our mission***

*The sunny tropics **our market***

*Technical elegance **our design principle***

The Problem is Global

Lost lives. Today, half a million people die every year from waterborne diseases, according to the WHO.

The SUNLIFEWATER Solution

Save lives. Destroy waterborne pathogens (bacteria, viruses and protozoa) at zero operating cost, neither financial nor environmental.

Contact SUNLIFEWATER

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Pathogens? No thanks!

SUNLIFEWATER kills bacteria, viruses & protozoa..

SUNLIFEWATER is a simple life-saving device.

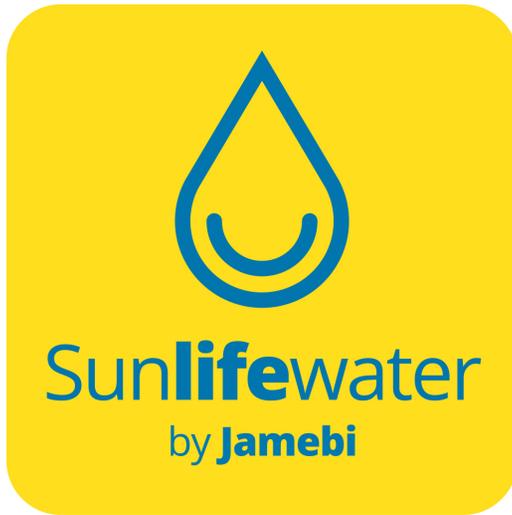
SUNLIFEWATER delivers safe drinking water in the sunny tropics. Today, this is where deaths from waterborne disease-causing viruses, bacteria and protozoa, are highest in the world.

*Fewer than one in **four thousand viruses** survive SUNLIFEWATER (KWR test report)*

*Fewer than one in **two million bacteria** survive SUNLIFEWATER (KWR test report)*

SUNLIFEWATER safe and clean





How does SUNLIFEWATER work?

Solar water pasteurisation works like this:

1. Inbound dirty water heats to 75°C in SUNLIFEWATER's heat exchanger's outer pipe. It's heated by water leaving the panel.
2. Water then flows into SUNLIFEWATER's solar thermal panel, where it is pasteurised at approximately 80°C for four minutes.
3. This kind of slow heat is very effective for killing bacteria, viruses and protozoa.
4. Flow rate auto-adjusts according to varying solar brightness. Less sunlight = longer residence in panel. A valve controls timing to always deliver high levels of safety.
5. SUNLIFEWATER's pasteurized water then flows into the inner pipe of the heat exchanger to be cooled before release.

Now your clean water is ready to drink.

That's it! Enjoy safe clean SUNLIFEWATER water now.

Why is SUNLIFEWATER timely?

By 2030, the UN plans for everyone in the world to drink clean water. (UN-SDG 6.1)

Fortunately, the UN budget for water, sanitation and health will be \$38 billion in the next 5 years.

Today, at least 2 billion people use a drinking water source contaminated with faeces.

Contaminated drinking water

- transmits diarrhoea, cholera, dysentery, typhoid, polio.
- now causes 502,000 deaths per year

Most diarrhoea deaths are in Africa & SE Asia.

Today, in low-and middle-income countries:

- 38% of health care facilities lack an improved water source
- 159 million people rely on surface water.
- 844 million people lack even basic drinking-water services

Tragically, three-quarters of the people who die from dirty water are children under five.

So, we invented SUNLIFEWATER

We saw a global family and community health problem waiting to be solved, by using only local water and free solar energy, without buying bought-in chemicals nor costly filters.

Besides delivering low cost drinking water that is safe from pathogens, we also help to solve a global plastic waste problem. How?

During its life, one SUNLIFEWATER unit can eliminate the pollution impact of **one million one-litre plastic water bottles.**

SUNLIFEWATER means lives saved and pollution reduced.

Independent testing by The World Health Organisation's Collaborating Centre, KWR Laboratories, documents SUNLIFEWATER's performance.

This product has been tested as part of the WHO International Evaluation Scheme for Household Water Treatment Technologies and it was found to have: 'Comprehensive protection: two-star'.

The above is addressed to health and water professionals also government officials.

Who is SUNLIFEWATER for?

Governments, water companies, aid agencies and disaster relief organisations, water charities off-gridders, communities, schools, hospitals, clinics, households, water microbusinesses.

SUNLIFEWATER, robust & autonomous

- off-grid and solar powered
- no power connection
- no electronic components
- no fragile glazing
- no chemical inputs
- no chlorine bleach taint
- no replaceable filters
- no supplier dependence

Clean water. Simple, low maintenance, technically elegant SUNLIFEWATER.