

What Is SOURCE®?

SOURCE is a solar-powered and infrastructure-free drinking water solution. As a non-extractive water resource, SOURCE Hydropanels represent a first in transparency, resiliency, security, and quality. Whether at homes, schools, hospitals, or other institutions, SOURCE advances drinking water ownership, bypassing the need for other drinking water alternatives.

SOURCE is powered by an integral combination of solar photovoltaics and high-efficiency solar thermal. The electrical and thermal power is used to efficiently produce water in a modified psychrometric cycle even in some of the driest deserts in the world.

How Does SOURCE Work?

- 1 Using solar PV, SOURCE takes in ambient air via fans and collects water vapour from that air onto a hygroscopic material
- 2 With heat from the sun, SOURCE converts water vapour collected into liquid water, made pure
- 3 The pure water is mineralised with magnesium and calcium to achieve an ideal taste profile
- 4 Sensors in each Hydropanel monitor and optimize the water to maintain quality

Hydropanel Front View

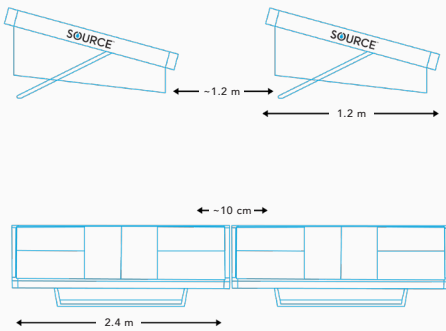


Hydropanel Side View



Installation

BASIC ARRAY DIMENSIONS



SPECIFICATIONS

Dimensions: 4' x 8' x 3'8" / 1.2 m x 2.4 m x 1.1 m (@45°)

Weight: 340 lbs / 154 kg

Lifespan: 15 years

Sterilization: on-board ozone generation and injection

Mineralization: Magnesium and Calcium are added for optimal taste

Water Pump: 80 PSI

Operating Temperature Range: 1 to 55° C and 10 to 100% Relative Humidity

Operational Angles: 5° to 45° from horizontal ±5° North-South mounting tolerance

Water Production: 2-5 Liters per day

WIND LOAD CONSIDERATIONS

When considering wind loads alone (w/o snow or seismic load combinations), the following correlates to max tilt angles.

- No limitations from 0-150km/hr
- 35° @ 180km/hr
- 25° @ 285km/hr

HYDRO PANEL DECIBEL RATINGS

Operating Mode	Distance from Unit	Total Unit Sound Rating (dBA)	Max Unit Sound Rating (dBA)
Normal	1 metre	73.5	76
	5 metres	67.3	69
	10 metres	65	65
Low Noise*	1 metre	71	73
	5 metres	66.5	68
	10 metres	64	64

* Results in decreased water production

Hydropanel Components

- All components of the Hydropanel are tested to IEC 61215 equivalency beyond Hydropanel lifetime:
- Solar Thermal Assembly
 - Lower Housing Assembly
 - Internal Components: LiFePO4 backup battery, cellular radio, fans, motors, sensors, control board, Photovoltaic panels
 - The body and frame of the Hydropanel are powder-coated steel
 - All wetted parts materials have been tested to meet the NSF 61 standard criteria

Network Operations Center

Each SOURCE Hydropanel is connected wirelessly to the Network Operations Center (NOC) for alert management, service and troubleshooting. The NOC manages system-prompted issues automatically and responds to customer-prompted issues via phone or email at support@source.co, +1 (855) 796-9283, and (02) 9055 3994 in Australia.

Required Maintenance

Annual

- Air Filter
- Water Filter (3650 litres)

5 Years

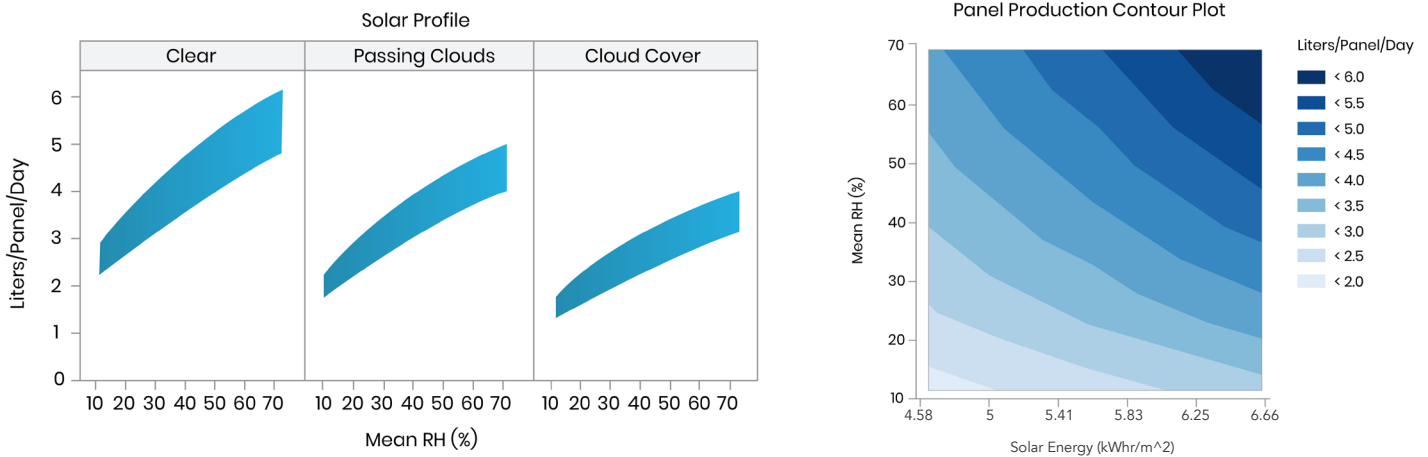
- Mineral Cartridge (9125 litres)

Warranty

- Standard Warranty – 1 year
- Extended Warranty – 5 years

Water Production

Water produced by the SOURCE[®] Hydropanels is dependent on local environmental conditions of relative humidity (RH) and solar energy (kWh). SOURCE performs predictive analytics to predict the water production in any area of interest. The data is populated into a model to predict SOURCE[®] Hydropanel water production at any particular location. On average, each Hydropanel produces 90-150 liters of high quality drinking water per month.



Commitment to Water Quality

The SOURCE Hydropanel is designed and tested to produce high quality drinking water. SOURCE water meets or surpasses the primary drinking water standards set by the US Environmental Protection Agency (EPA) and the World Health Organization drinking water guidelines.

ABOUT SOURCE

At SOURCE, we found that perfect water isn't found on Earth – it's found above it. Truly exceptional water is captured in its true flawless state. It does not have to be filtered or purified so not a single drop is wasted. Perfecting water brings quality and sustainability together – no pipes, no grids, no electricity – all made possible with SOURCE Hydropanels. When you choose SOURCE, you choose clean, sustainable drinking water with no compromises.

LEARN MORE ABOUT SOURCE