SOURCE™ Hydropanels

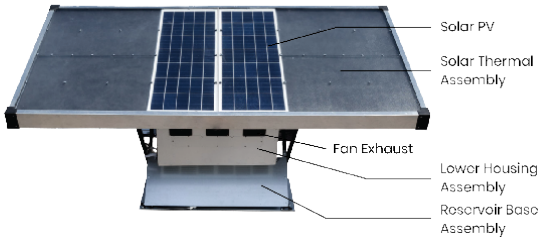
ZERO MASS water™

How does SOURCE work?

SOURCE Hydropanels harness the power of the sun to create a drinking water solution free from infrastructure, lengthy supply chains or transportation risk. SOURCE ensures the human right to clean water by providing the first ever path to complete drinking-water ownership.

- Ambient air is drawn into SOURCE via fans and water vapor in the air is adsorbed onto our specialty hygroscopic material
- The water vapor is collected as the airflow passes through a condenser and the resulting liquid water flows into the onboard reservoir
- The collected water is mineralized for optimal health/taste and treated (with Ozone) to maintain optimal water quality over time
- Water is pumped through a polishing cartridge prior to being dispensed to the customer
- Each panel is connected to a network and is monitored real-time for performance and quality parameters

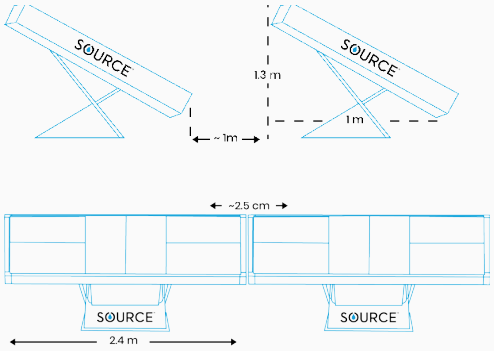
Panel Front View



Panel Rear View

Installation

BASIC ARRAY DIMENSIONS



Weight: 320 lbs.

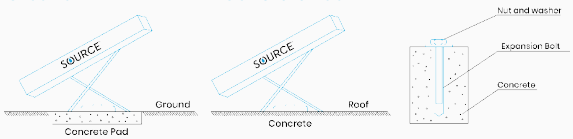
SAMPLE INSTALL SPECIFICATIONS

Location	Install Angle	Max Wind Speed Reqs	Mounting Options	Anchor Size/Type
Phoenix, Arizona, USA	40	180 KPH	Truss (w/ strut)	3/8"X 3" Galv. Lag bolts (8)
			Ground/Concrete Roof	3/8"x3" expansion anchor
Mexico City, Mexico	30	135 KPH	Truss (w/ strut)	3/8"X 3" Galv. Lag bolts (8)
			Ground/Concrete Roof	3/8"x3" expansion anchor
Manilla, Phillipines	15	270 KPH	Truss (w/ strut)	3/8"X 3" Galv. Lag bolts (8)
			Ground/Concrete Roof	3/8"x3" expansion anchor

* Ballast available upon request

PANEL MOUNTING

Ground **Concrete Roof**



- SOURCE water is delivered to the dispenser through a 3/8" tube shielded from exterior environment by protective conduit when necessary
- Water pressure is provided by an 80psi rated pump powered by a rechargeable battery for continuous operation

World-Class Reliability

IEC 61215 Equivalency Testing:

- Solar-Thermal Assembly Temp cycling and damp Heat tested to 16+ years
- Lower-Housing Assembly temp cycling and damp Heat to 29+ years
- Internal components temp cycling and damp Heat to 20+ years
- Reservoir-Base Assembly temp cycling and damp Heat to 37+ years

Passes EPA air quality testing:

- EPA analysis testing methods 8260, 8270C_SIM, 8015D

Network Operations Center

- Each SOURCE panel is connected to the Zero Mass Water Network Operations Center (NOC)
- Data is returned from each panel to the NOC and stored in the cloud with redundancy
- Panel performance is remotely optimized using machine learning
- The NOC resolves any alerts remotely or deploys the field service team as needed
- Cellular Module is FCC, ANATEL, and IC certified
- Panels are optimized to hibernate in freezing temperatures to protect pump and return to full operation when safe to do so

Required Maintenance

Air Filter	Every Year
Water Filter	Every Year
Mineral Cartridge	Every 5 Years

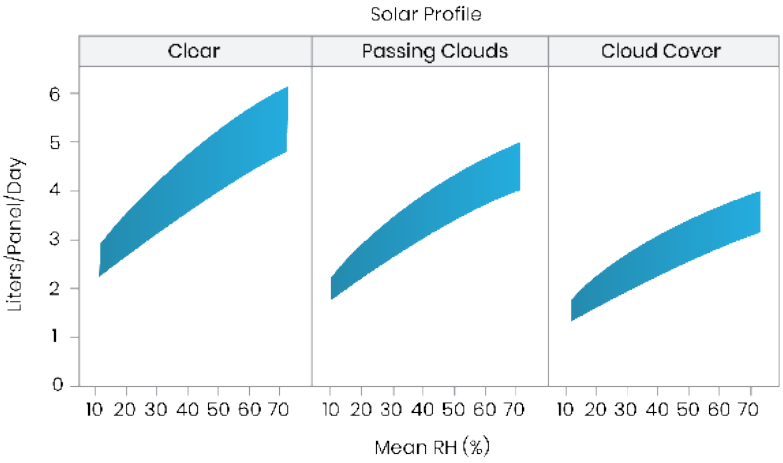
Panel Life	15+ Years
Standard Warranty	1 Year
Service & Monitoring (Extended Warranty)	Available Upon Request

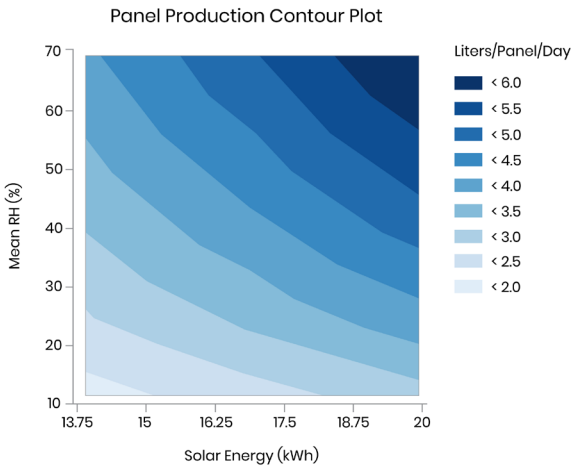
SOURCE™

ZERO MASS water™

Water Production

Production of water by SOURCE panels is dependent on local measures of relative humidity (RH) and solar energy (kWh). SOURCE panels produce an average of 2-5 Liters of water daily.





The Highest Commitment to Water Quality

By design and as tested, SOURCE water quality is not impacted by air quality.

	Parameter	US EPA Limit	SOURCE Standard of Excellence	SOURCE Test Result
Microbial Parameters	Escherichia coli - MPN/100mL	0	0	Not Detected
	Coliform, Total - MPN/100mL	0	0	Not Detected
	2 Others	-	-	Not Detected
Inorganic/Chemical Parameters	Alkalinity	Not established	50-250	94
	Bicarbonate Alkalinity	Not established	50-250	94
	Calcium	Not established	10-30	4.5 - 23
	Total Dissolved Solids	500**	100-1500	20 - 240
	Hardness as Calcium carbonate	Not established	≤ 200	20 - 100
	Magnesium	Not established	0-30	2.0 - 11
	Silica	Not established	Not established	0.85 - 2.0
	Turbidity - NTU	1.0	1.0-2.5	0.30 - 1.7
	Nitrate as N	10	10 (Nitrate-N)	0.16 - 1.9
	Silver	0.1**	0.1	0.018 - 0.086
	Barium	2	0.7	0.0027 - 0.017
	Nickel	Not established	0.02	0.00075 - 0.0060
	pH - SU	6.5-8.5	6.5-8.5	>7
	Sodium	Not established	150	Not Detected-5.2*
	Copper	1.0**	1.0	Not Detected-0.0027*
	Uranium	0.03	0.03	Not Detected-0.0013*
	Aluminum	0.05-0.2**	0.2	Not Detected-0.11*
	Zinc	5.0**	5.0	Not Detected-0.017*
	28 Others	-	-	Not Detected
Volatile/Semi-Volatile Parameters	Benzene	0.005	0.001	Not Detected
	Toluene	1	0.7	Not Detected
	63 Others	-	-	Not Detected
Radichemical Parameters	Gross Alpha - pCi/L	15	13.5	Not Detected-2.5 ± 0.5*
	Radium 226 - pCi/L	5	5	Not Detected
	Radium 228 - pCi/L	5	2.7	Not Detected
	1 Others	-	-	Not Detected
Miscellaneous Parameters	Asbestos - MFL	7	7	Not Detected
	Chloroform	Not established	0.2	Not Detected
	11 Others	-	-	Not Detected

* Range represents min and max test result of ZMW's constant water monitoring and testing

** Secondary standard - non-mandatory water quality standards set by the US EPA