



Alternative Water

Atmospheric Water Generators

TOTALLY AUTONOMOUS
POWERED BY SOLAR ENERGY
ATMOSPHERIC WATER
GENERATOR

AID SOLAR™



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Advantages of the AID SOLAR

Water is supplied by an alternative source, which is the atmosphere; helping to set the ground with atmospheric water generation equipment in any area. This equipment aims to provide 100 % natural and healthy water for the benefits provided for consumer health.



- Totally autonomous, mobile, only powered by solar energy (100% renewable)
- The Water Output Up to 55 Gallons (200L) /Day
- The water produced by this equipment directly flows cold and pure, being more suitable for consumption.
- The Highest Efficiency & Better Performance in regard to the Power Consumption per Gallon
- Super Heavy Duty, Structural Steel Case

- Ideal energy harvesting technology used into water generating equipment allows to supply water in hideaway areas
- All electric and electronic components are vented and pre-cooled to avoid overheating and malfunctioning under extreme high temperature conditions.
- Wide operation field for extreme conditions:
 - Temperature limits 41°F-131°F.
 - Relative humidity limits 20%-99%.
- Quick and easiest installation start up and maintenance.
- Standard spares.
- Environment friendly

The most advanced technology developed by **AID WATER GLOBAL** and manufactured by **ALTERNATIVE WATER, Corp** is based on the principle of dehumidifying the humid air to produce high quality and low mineralization water which has been certified by the USA authorities, having passed the relevant health checks and received, therefore, the mandatory National Register of Health, ensuring hygienic conditions and quality of the product.

AID SOLAR equipment is ecological that contributes to regeneration of the natural water cycle, to restore the humidity in the atmosphere that would otherwise remain accumulated in the upper layers of the same as a result of the greenhouse effect.

AID SOLAR equipment uses components completely free of CFC and is designed to be powered by electrical energy that can be obtained from the distribution network or alternatively wind turbines and photovoltaic sensors with automatic solar tracking.

AID SOLAR equipment is manufactured according to USA and CE quality standards, with components "Made in USA & Europe, UL & CE" for easy replacement if necessary, to be available in the general market for industrial components.

1. Technical characteristics of the AID SOLAR



AVERAGE WATER PRODUCTION AND ENERGY CONSUMPTION PER

Environmental conditions	50°F -90%HR	86°F -85%HR	104°C -90%HR
Water production	0.6 gall/h	1.6 gall/h	2.2 gall/h

OPERATING CHARACTERISTICS Temperature and relative humidity, max and minimum

Temperature	41°F-131°F
Relative humidity	20%-99%

CHARACTERISTICS TECHNICAL

Water Production	Nominal	2.2 gall/h (86°F -80%HR)
	Nominal absorbed power	1.5 kW
7 Solar Panels	Type	Monocrystalline/N-type
	Maximum Power	2.340 W
	MPP Voltage	240V
	MPP Current	68.8A
Fans	Nominal flow	180 m3/h
	Type	Radial variable speeds
	Available static pressure	14 mm. c.a.
	Power	0.5 kW-895 rpm
Cooling circuit	Gas	134A
	Gas Load	3.2 Kg
	Expansion	Electronic valve
Electric Characteristics	Voltage	DC
	Max operating current	68A
Sound level	Sonic pressure	40 dB (A)
Dimensions	High	67.2 inches
	Wide	43.5 inches
	Deep	70.8 inches
	Weight	770 pounds

Main Components of the AID SOLAR module as per NSF61 Standards

- The unit case made of galvanized sheet iron profiles covered by synthetic painting coats;
- 7 Solar Panels LG3351C-A5 replaces 3 busbars with 12 thin wires to enhance power output and reliability;
- Cooling compressor Masterflux energy efficient refrigeration through capacity modulation;
- Cooling circuit made of cuprous pipes filled with ecological refrigerant R134A, environment friendly, free of CFCs;
- Cooling coils made of aluminum covered by polyurethane coats as per NSF61 standards;
- Energy recuperation system made of aluminum covered by polyurethane coats as per NSF61 standards;
- Electronic fan EC with low energy consumption rate;
- Water circuit made of stainless-steel pipes as per NSF61 standards;
- 40l internal condensing tray made of high-density stainless steel as per NSF61 standards
- Automatic water dispenser;
- Electronic programming control

WTS Water Treatment System

The WTS module is fully equipped to guarantee the Highest Quality of Water as per the WHO (World Health Organization) requirements. These water purification treatments were individually tailored regarding guidance for each geographical location. For Puerto Rico areas we offer the following composition.



- Solar heating protection for the Water Storage Tank
- Smart Treatment Devices
- Self-Cleaning Filtration Devices
- 10 Gallons (40L), rectangle, low profile, FDA-Approved, Food-Grade, BRA-Free, High-Density Polyethylene (HDPE)-NSF-61 Water Storage Tank
- Super Duty Water Pumps
- Digital Water Quality Control

As requested, concepts and guidelines basic to the installation of this treatment system for continuations are herewith explained.

Left side view of the AID SOLAR



Front side view of the AID SOLAR



Back side view of the AID SOLAR with open panels



Top view of the AID SOLAR

