

Offering a safe, secure, reliable and resilient water supply by tapping the largest natural source of fresh water: the atmosphere.

Paladin Water Technology™ engineers, designs and manufactures atmospheric water generators in the United States. Our advanced state-of-the-art patented technology extracts water from the atmosphere, the same air we breathe, reproducing the natural phenomenon of rain. Our AWG technology allows us to produce unlimited quantities of clean drinking water daily.



AWG5000

UNLIMITED CLEAN WATER SUPPLY

The AWG5000 is the most advanced atmospheric water generator with low power consumption. Engineered to produce up to 8,400 liters / 2,200 gallons of clean water a day.

The AWG5000 unit is a complete system for providing all of your drinking water needs and is comprised of three modules: atmospheric water generator, water storage treatment, and auxiliary power unit.

The AWG5000 unit can be powered using either electricity or diesel, the internal diesel generator that can operate for five days without interruption. The unit is compatible with solar photovoltaic (PV) and battery storage systems and has the capability of being powered by other renewable resources and fuels such as natural gas and methane.

Placing the AWG5000 Unit into operation is efficient and user friendly.

The AWG5000 unit comes in a 20-foot ISO container with a stainless steel sliding platform that allows for rapid deployment of the unit. One button starts the unit into operation and water production starts immediately.

The innovative design of the sliding platform allows for ease of use and rapid deployment. The unit support system is constructed of high-grade stainless steel for durability in a wide range of climates.

Average Water Production and Energy Consumption Per Liter/Gallon

Environmental Conditions	10°C / 50°F 90% RH	30°C / 86°F 85% RH	40°C / 104°F 90% RH
Water production liters/gallons per hour	90 l/h 23 gal/h	235 l/h 62 gal/h	335 l/h 88 gal/h
Power per liter/gallon	0.25 kWh/l 0.95 kWh/gal	0.16 kWh/l 0.60 kWh/gal	0.13 kWh/l 0.49 kWh/gal
Water production per 1-Gallon of fuel:	30 gallons of water per 1-gallon of fuel		

Operating Limits (wide range)

Temperature	5°C – 55°C / 41°F - 131°F
Relative humidity	20% – 99%

Technical Characteristics

Water Production	Nominal	225 l/h / 60 gal/h (30°C / 86°F - 80% RH)
	Nominal absorbed power	50 kW
Electric Characteristics	Voltage	400 V / 460 V, 3-phase, 50 Hz / 60 Hz
	Max operating current	108 A
	Renewable energy	Any source
Generator (optional)	Generator with an auxiliary diesel tank provides uninterrupted operation for up to 5 days 350 gallon diesel fuel tank capacity (1325 liters)	
Dimensions	L x W x H	19 ft x 7.25 ft x 7.25 ft

AWG5000 Unit Features Include:

- » Wide range of operating conditions: 5°C-55°C; 20%-99% RH
- » Three-phase; 400V/460V; 50 Hz/60 Hz.; 108A
- » Self-powered + grid connection
- » Power Supply: Electrical Grid, Generator, Renewables
- » Generator with autonomy for 5 days
- » Treatment system and complete water filtration
- » Internal pumping
- » Water tank reserve
- » Mobile – allows for immediate on-site water production
- » Fast set-up, sliding platform
- » Automatic switch on/off
- » Low Maintenance
- » Power control enclosure is NEMA type 4X
- » Components NSF 61 certified
- » Military-Grade; engineered to meet extreme conditions and heavy-duty use



The AWG5000 water quality meets and exceeds World Health Organization (WHO) and Environmental Protection Agency (EPA) standards.