



AtmoVerse

The future of water is here.



AtmoVerse | Purity powered by innovation.
Part of MCIS Solutions.



Experience a unique drinking experience with our Atmospheric Water Generator



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Atmospheric Water Generator

In response to the global problem of severe shortage of clean water, our team has developed the world's leading atmospheric water generation technology after long-term in-depth research. With our self-developed new interfacial materials, we are able to produce large quantities of clean water in a portable and transportable way without water source restrictions. It is a new direction to solve the crisis of human drinking water shortage. Through a comprehensive multi-factor study, a systematic material regulation strategy is formed to develop higher performance and scalable preparation of graphene interfacial hot water evaporation materials. Further, through comprehensive analysis of key parameters in the evaporation-condensation-collection process, we optimize the design of clean water production prototypes to improve clean water collection efficiency and build a new generation of more efficient clean water production devices.



Not limited by
water source or
quality



No need for
grid-connected
electricity



Environment
friendly with
variety of
scenarios





Table of contents

01

Introduction

Background

02

Our Products

Introduction

03

Product Structure

Water Production Process

04

Product Series

Product Range

05

Photovoltaic Solutions

06

Certificates

Our Qualifications



Background



2million

People drink contaminated water sources, putting them at risk of variety of diseases



1million

Plastic bottles are bought every minute, but 91% are not recycled



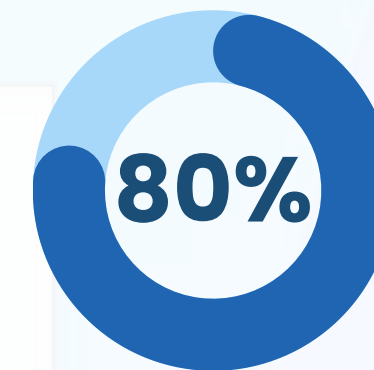
2million

People drink contaminated water sources, putting them at risk of variety of diseases

The water challenge



50% of the world's population will be living in water-scarce areas by 2025



80% of diseases are caused by poor water solutions



Water scarcity affects over 40% of the world's population

Scarcity. Contamination. Waste. As the future demands a smarter solution. We deliver it by creating pure water from the most abundant resource we have, the air. This is more than just a product; it's water independence and a commitment to a healthier planet.



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Every drop counts



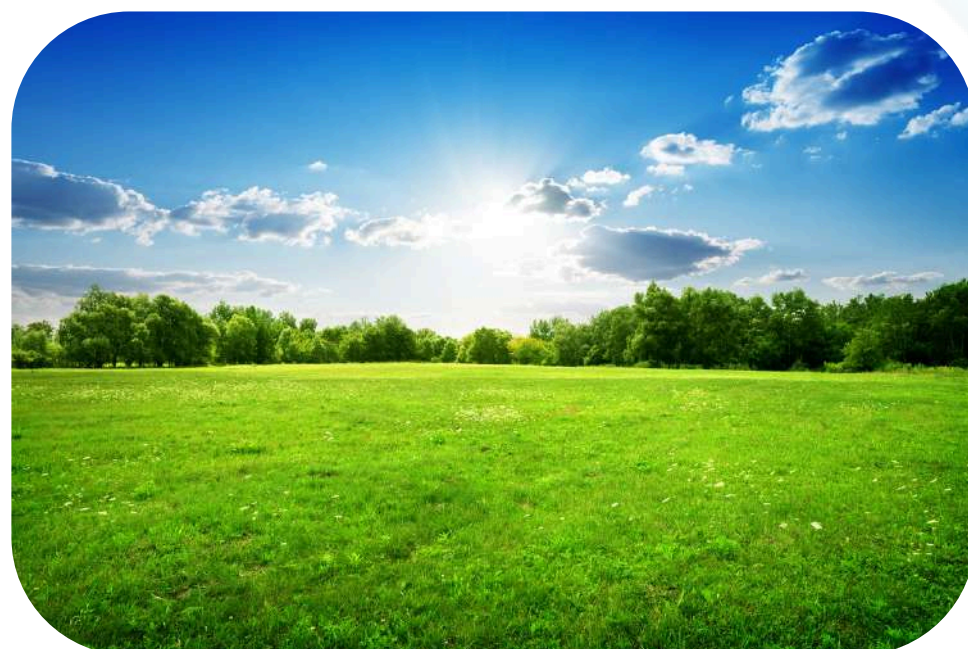
2 billion

People live in countries experiencing high water stress, directly impacting food security and agricultural stability.



1 billion

People are fed by food grown with unsustainable water, jeopardizing future harvests.



70 %

Of the world's freshwater is used for agriculture. This makes it the largest consumer of our planet's most vital resource.



Agriculture accounts for 70% of all freshwater withdrawals globally. This massive demand puts a strain on our most vital resource.



Up to 40% of the water used in agriculture is wasted due to inefficient irrigation methods and evaporation.



By 2050, global food production will need to increase by an estimated 50%, requiring a significant rise in water withdrawals to feed a growing population.

Behind every number is a family, a farm, and a community at risk. When water sources deplete, it's not just harvests that are lost, it's livelihoods. Our technology offers a new lifeline, providing a reliable and independent source of pure water to empower farmers against scarcity. This is more than just irrigation; it's about delivering the security and stability needed for communities to thrive.





Product Introduction



Our intelligent atmospheric water generator uniquely combines advanced moisture-absorbing polymer materials with artificial intelligence algorithms. This integrated system is engineered to continuously and reliably produce safe drinking water in a wide range of climates across more than 200 countries. With models ranging from 10 to 2000 L/D and a high efficiency of over 3-5 kg/kWh, our technology offers a portable and mobile solution for generating pure water directly from the air, even in arid locations like deserts.

A10

Water production:	10L/2.65Gallon (24hour)
Working condition:	30°C+80%humidity
Power Supply:	110V-240V
Frequency:	50Hz-60Hz
Working climate:	Temperature: 5°C-38°C Humidity: 15% - 99%
Water-making Power:	230W
Water Option:	Cold/Hot
Refrigerant:	R134a
Gross Weight(kg):	16KG
Product Size(L*W*H):	440mmX260mmX480mm
Package Size(L*W*H):	483mmX324mmX533mm



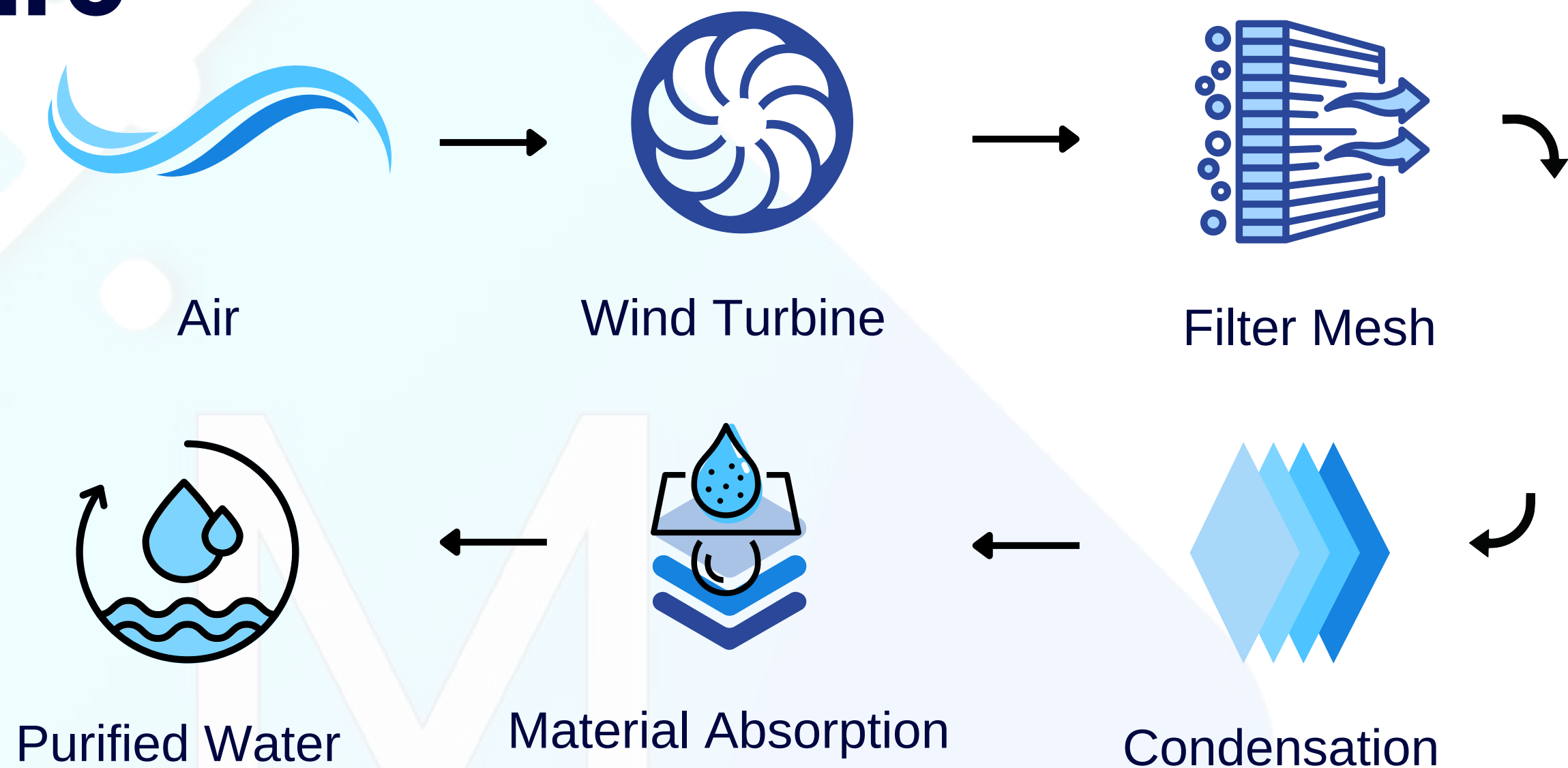


- White
- Flint black
- Jewel blue
- Space grey

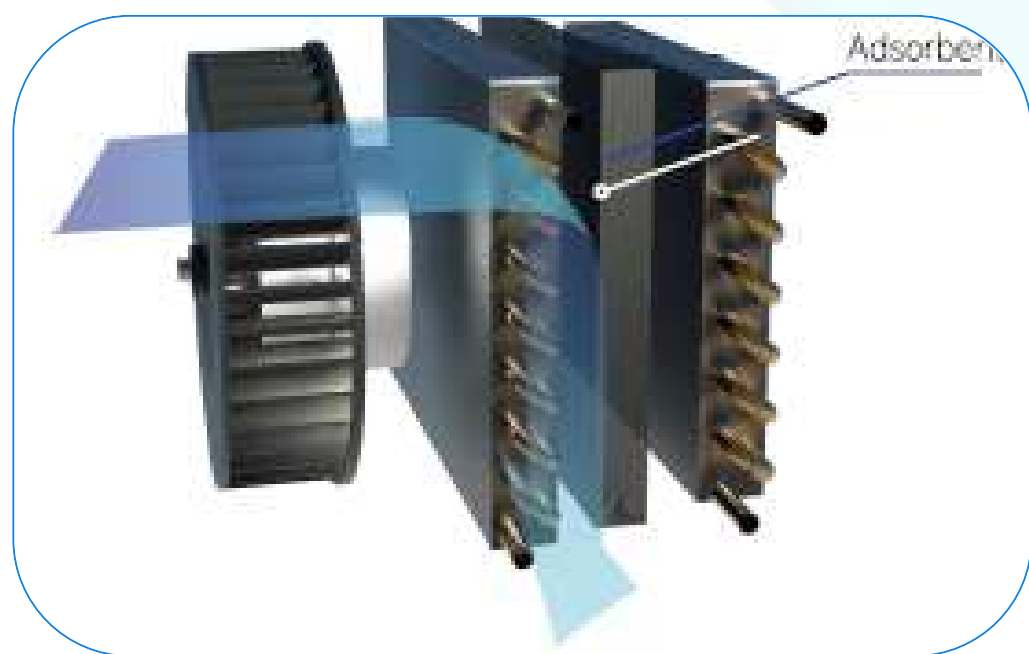


Product Structure

Water Production Process



Absorption Process



1

Using an advanced, high-throughput screening system with AI and autonomous robots to develop superior water adsorption materials. This technology ensures our atmospheric water generators have excellent cost-performance and places our material development at the forefront of the industry.

2

We have engineered an innovative system that efficiently converts light into heat energy for an advanced adsorption-desorption process. By carefully designing the material's microstructure and composite formula, we have solved the challenge of reliably extracting water even in low-humidity conditions.

3

Functional nanomaterials composite moisture absorption material continuous absorption and desorption air water production, superior performance, new materials + air heat pump mechanical structure composite drive high efficiency water production capacity, comprehensive fixed costs down 60%, more than 10,000 cycles of testing, the actual working conditions time Real Time stability of more than 1,000 days, and a high moisture absorption rate even in low humidity.



Product Series



A10 Product Dimensions:

Length: 368 (mm)

Width: 260 (mm)

Height: 445 (mm)

A10

Small size movable air water making machine



PRODUCT SPECIFICATION:

PRODUCT	
MODEL	AWi10
CAPACITY	10L/Day
FUNCTION	
Normal Temperature Water	Optional (Yes or No)
Hot Water	Optional (Yes or No)
Cold Water	Optional (Yes or No)
SPECIFICATIONS:	
Voltage/Frequency	AC 220V 60Hz
Control Panel	Touch Screen
Compressor Type/Manufacture	Samsung/Qingan
Water Production Power	Power 230W
No. of Compressor	1
Power	N/A
Operation Temperature	10°C - 43°C
Working Humidity	15% - 100% RH
Water Tank Capacity	5L
Water Filter System	PPF+GAC+PPF+RO+LED+UV
Lifetime Water Filtration System	3000L
Air Filtration System	Composite Material Filter Screen
Automatic Reminder of Filter Life	Yes
Refrigerant	R134a
Operating Sound Level	44dB
Average Defect Rate	1.50%
Ozone System	No
Sterilization System	UV sterilization+water circulation filtration
PERFORMANCE	
Cold Water Temperature	8°C-12°C
Hot Water Temperature	N/A
Capacity (L)/day	10L/day (30°C, RH 80%)
Power Consumption (KWH/L)	0.55KWH/L
CERTIFICATION	
Certificate and Security	CE
Protection against Electric Shocks	YES

A20

Medium size movable air water making machine

A 20 is a medium-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, Office, clinics, public pools, off-grid housing, Campsite and private residential homes seeking a new, off-the-grid drinking water source. A 20 doesn't require any infrastructure and works absolutely independently from existing piping. A 20 uses Company patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 20 liters of pure, safe and tasty drinking water from the air daily.

Application scenario



School



Public Pools



Campsite



Private Residential Homes



Clinic



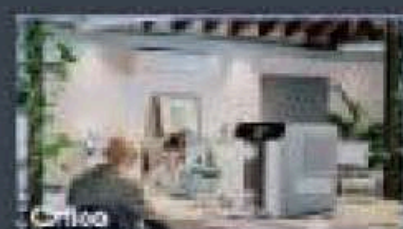
Office



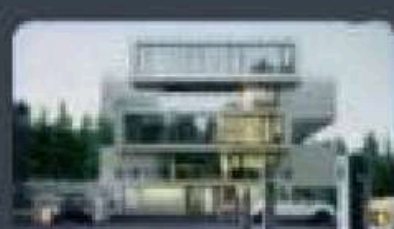
School



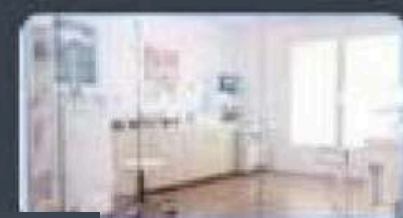
Public Pools



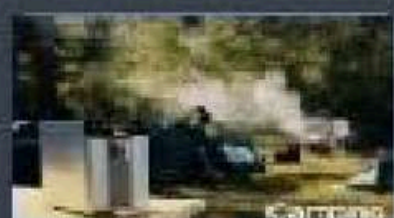
Office



Private Residential Homes



Clinic



Campsite



PRODUCT SPECIFICATION:

PRODUCT	
MODEL	AWi20
CAPACITY	25L/Day
FUNCTION	
Normal Temperature Water	Optional (Yes or No)
Hot Water	Optional (Yes or No)
Cold Water	Optional (Yes or No)
SPECIFICATIONS:	
Voltage/Frequency	AC 220V 60Hz
Control Panel	Touch Screen
Compressor Type/Manufacture	Samsung/Qingan
Water Production Power	Power 300W
No. of Compressor	1
Power	N/A
Operation Temperature	10°C - 43°C
Working Humidity	15% - 100% RH
Water Tank Capacity	10L
Water Filter System	PPF+GAC+PPF+RO+LED+UV
Lifetime Water Filtration System	5000L
Air Filtration System	Composite Material Filter Screen
Automatic Reminder of Filter Life	Yes
Refrigerant	R134a
Operating Sound Level	44dB
Average Defect Rate	1.50%
Ozone System	No
Sterilization System	UV sterilization+water circulation filtration
PERFORMANCE	
Cold Water Temperature	N/A
Hot Water Temperature	N/A
Capacity (L)/day	25L/day (30°C, RH 80%)
Power Consumption (KWH/L)	0.36KWH/L
CERTIFICATION	
Certificate and Security	CE
Protection against Electric Shocks	YES

A50

Medium size movable air water making machine

A 50 is a medium-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, construction sites, clinics, public pools, off-grid housing, temporary localities and private residential homes seeking a new, off-the-grid drinking water source. A 50 doesn't require any infrastructure and works absolutely independently from existing piping. A 50 uses Company patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 50 liters of pure, safe and tasty drinking water from the air daily.

Application scenario



School



Public Pools



Construction Sites



Private Residential Homes



Clinic



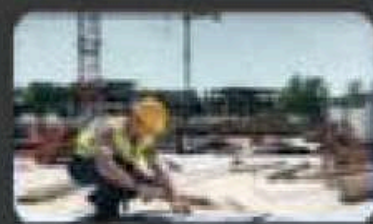
Temporary Localities



School



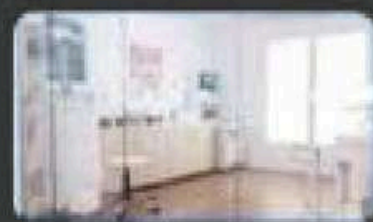
Public Pools



Construction Sites



Private Residential Homes



Clinic



Temporarry Localities



PRODUCT SPECIFICATION:

PRODUCT	
MODEL	AWi50
CAPACITY	50L/Day
FUNCTION	
Normal Temperature Water	Optional (Yes or No)
Hot Water	Optional (Yes or No)
Cold Water	Optional (Yes or No)
SPECIFICATIONS:	
Voltage/Frequency	AC 220V 60Hz
Control Panel	Touch Screen
Compressor Type/Manufacture	Samsung/Qingan
Water Production Power	Power 860W
No. of Compressor	1
Power	N/A
Operation Temperature	10°C - 43°C
Working Humidity	15% - 100% RH
Water Tank Capacity	40L
Water Filter System	PPF+GAC+PPF+RO+LED+UV
Lifetime Water Filtration System	8000L
Air Filtration System	Composite Material Filter Screen
Automatic Reminder of Filter Life	Yes
Refrigerant	R22/R410a
Operating Sound Level	48dB
Average Defect Rate	1.50%
Ozone System	No
Sterilization System	UV sterilization+water circulation filtration
PERFORMANCE	
Cold Water Temperature	N/A
Hot Water Temperature	N/A
Capacity (L)/day	50L/day (30°C, RH 80%)
Power Consumption (KWH/L)	0.41KWH/L
CERTIFICATION	
Certificate and Security	CE
Protection against Electric Shocks	YES

A100

Medium size movable air water making machine

A100 is a medium-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, construction sites, clinics, public pools, off-grid housing, temporary localities and private residential homes seeking a new, off-the-grid drinking water source. A100 doesn't require any infrastructure and works absolutely independently from existing piping. A100 uses Atmoverse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 100 liters of pure, safe and tasty drinking water from the air daily.

Application scenario

 schools

 public pools

 construction sites

 private residential homes

 clinics

 temporary localities



Product parameters



Products

Model	A100
Capacity	100L/Day
Minimum order quantity	20containers
Order delivery time	60Day
Payment cycle	50% deposit, final payment before delivery

Function

Normal temperature water	Optional
Hot-water	Optional
Cold-water	Optional

Technical Data

Voltage/Frequency	AC 220V 50Hz
Control panel	Touch screen
Compressor type/Manufacturer	Sumsung / Qingan
Water production power	Power 1280W
Number of compressors	1
Power	N/A
Operation temperatur	15°C~43°C
Working humidity	25%-95 RH
Water tank capacity	60L
Water filtration system	PPF+GAC+ PPF+RO+LED-UV
Lifetime water filtration system	8000L
Air filtration syste	Composite material filter screen
Automatic reminder of filter life	Have
Refrigerant	R22/R410a
Operating sound level	52dB
Average defect rate	1.50%
Ozone system	Not have
Sterilization system	UV sterilization+water circulation filtration

Performance

Cold water temperature	N/A
Hot water temperature	N/A
Capacity (L)/day	100L/Day (30°C, RH 80%)
Power consumption per liter of water(KWH/L)	0.307KWH/L

Package

Container loading quantity (20'GP/40'GP/40'HQ) :	48pcs/96pcs/96pcs
Net weight (kg)	55kg
Product dimensions (length * width * height)	442mm*525mm*1195mm
Packaging size (length * width * height)	482mm*564mm*1270mm



A250

Medium size movable air water making machine

A250 is a medium-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, construction sites, clinics, public pools, off-grid housing, temporary localities and private residential homes seeking a new, off-the-grid drinking water source. A250 doesn't require any infrastructure and works absolutely independently from existing piping. A250 uses Atmoverse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 100/250 liters of pure, safe and tasty drinking water from the air daily.



Application scenario

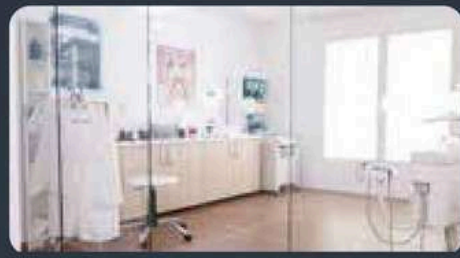
-  schools
-  public pools
-  construction sites
-  private residential homes
-  clinics
-  temporary localitie



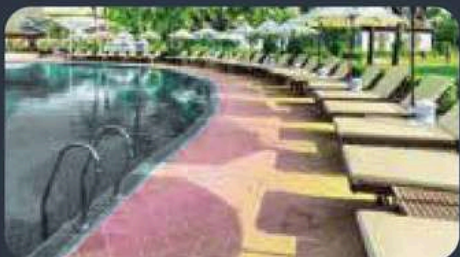
schools



construction sites



clinics



public pools



private residential homes



temporary localitie

Product parameters

Products

Model	A250
Capacity	250L/Day
Minimum order quantity	20containers
Order delivery time	60Day
Payment cycle	50% deposit, final payment before delivery

Function

Normal temperature water	Optional
Hot-water	Optional
Cold-water	Optional

Technical Data

Voltage/Frequency	AC 220V 50Hz
Control panel	Touch screen
Compressor type/Manufacturer	GMCC / HIGHLY
Water production power	Power 2.15KW
Number of compressors	1
Power	N/A
Operation temperatur	15°C~43°C
Working humidity	25%-95 RH
Water tank capacity	25L
Water filtration system	PPF+GAC+ PPF+RO+LED-UV
Lifetime water filtration system	TBA
Air filtration syste	Composite material filter screen
Automatic reminder of filter life	Have
Refrigerant	R410a
Operating sound level	65dB
Average defect rate	1.50%
Ozone system	Not have
Sterilization system	UV sterilization+water circulation filtration

Performance

Cold water temperature	N/A
Hot water temperature	N/A
Capacity (L)/day	250L/Day (30°C, RH 80%)
Power consumption per liter of water(KWH/L)	0.21KWH/L

Package

Container loading quantity (20'GP/40'GP/40'HQ) :	12pcs/12pcs/24pcs
Net weight (kg)	350kg
Product dimensions (length * width * height)	820*1582*1113 mm



A500-HE

Medium size movable air water making machine

A500 is a medium-large-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, hospitals, stations, parks, resorts, construction sites, temporary localities, residential buildings and off-grid villages seeking a safe, clean and off-grid new water source. A500 doesn't require any infrastructure and works absolutely independently from existing piping. A500 uses Atmoverse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 500 liters of pure, safe and tasty drinking water from the air daily.

Application scenario

 schools

 hospitals

 parks

 resorts

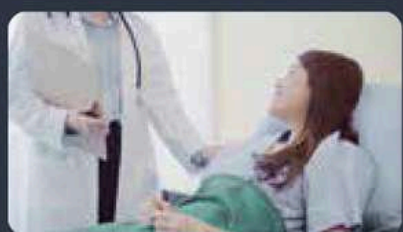
 construction sites

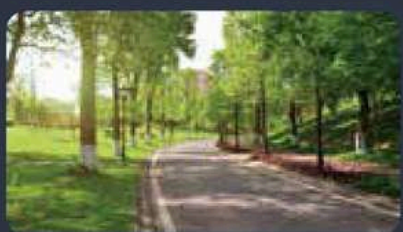
 temporary localities

 residential buildings

 off-grid villages

 schools

 hospitals

 parks

 resorts

 construction sites

 temporary localities

 residential buildings

 off-grid villages

Product parameters



Products

Model	A500
Capacity	500L/Day
Minimum order quantity	20containers
Order delivery time	60Day
Payment cycle	50% deposit, final payment before delivery

Function

Normal temperature water	Have
Hot-water	Not have
Cold-water	Have

Technical Data

Voltage/Frequency	AC 220V 50Hz
Control panel	Touch screen
Compressor type/Manufacturer	GMCC / HIGHLY
Water production power	Power 4.2KW
Number of compressors	1
Power	N/A
Operating Temperature	-10°C ~ 55°C
Working humidity	10%-95 RH
Water tank capacity	40L
Water filtration system	PPF+GAC+ PPF+RO+LED-UV
Lifetime water filtration system	TBA
Air filtration syste	Composite material filter screen
Automatic reminder of filter life	Have
Refrigerant	R410a
Operating sound level	65dB
Average defect rate	1.50%
Ozone system	Not have
Sterilization system	UV sterilization+water circulation filtration

Performance

Cold water temperature	N/A
Hot water temperature	N/A
Capacity (L)/day	500L/Day (30°C, RH 80%)
Power consumption per liter of water(KWH/L)	0.21KWH/L

Package

Container loading quantity (20'GP/40'GP/40'HQ) :	12pcs/12pcs/24pcs
Net weight (kg)	65kg
Product dimensions (length * width * height)	1106*1582*1113 mm



A1000-HE

Medium size movable air water making machine

A1000 is a medium-large-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, hospitals, stations, parks, resorts, construction sites, temporary localities, residential buildings and off-grid villages seeking a safe, clean and off-grid new water source. A1000 doesn't require any infrastructure and works absolutely independently from existing piping. A1000 uses Atmoverse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 1000 liters of pure, safe and tasty drinking water from the air daily.



Application scenario



schools



hospitals



construction sites



temporary localities



parks



resorts



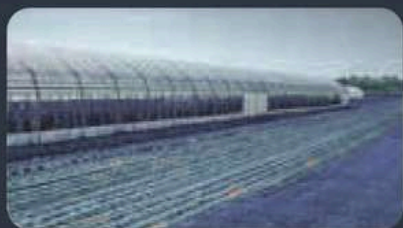
residential buildings



off-grid villages



schools



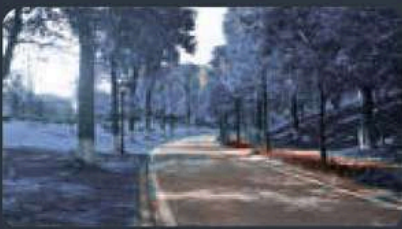
hospitals



construction sites



temporary localities



parks



resorts



residential buildings



off-grid villages

Product parameters



Products

Model	A1000
Capacity	1000L/Day
Minimum order quantity	20containers
Order delivery time	60Day
Payment cycle	50% deposit, final payment before delivery

Function

Normal temperature water	Have
Hot-water	Not have
Cold-water	Not have

Technical Data

Voltage/Frequency	AC 380V 50Hz
Control panel	Touch screen
Compressor type/Manufacturer	GMCC / HIGHLY/Copeland
Water production power	Power 8.6KW
Number of compressors	2
Power	N/A
Operating Temperature	-10°C ~ 55°C
Working humidity	10%95 RH
Water tank capacity	80L
Water filtration system	PPF+GAC+ PPF+RO+LED-UV
Lifetime water filtration system	TBA
Air filtration syste	Composite material filter screen
Automatic reminder of filter life	Have
Refrigerant	R410a
Operating sound level	65dB
Average defect rate	1.50%
Ozone system	Not have
Sterilization system	UV sterilization+water circulation filtration

Performance

Cold water temperature	N/A
Hot water temperature	N/A
Capacity (L)/day	1000L/Day (30°C, RH 80%)
Power consumption per liter of water(KWH/L)	0.21KWH/L

Package

Container loading quantity (20'GP/40'GP/40'HQ) :	6pcs/12pcs/12pcs
Net weight (kg)	950kg
Product dimensions (length * width * height)	1106*1582*1113 mm



A2000-HE

Medium size movable air water making machine

A2000 is a large-scale mobile Atmospheric Water Generator. This plug-and-drink solution is designed to meet the needs of rural villages, off-grid settlements, army bases, manufacturing facilities, hospitals, large mines and construction sites, and other decentralized applications seeking a new drinking water source. A2000 doesn't require any infrastructure and works absolutely independently from existing piping. A2000 uses AtmoVerse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 2000 liters of pure, safe, and tasty drinking water from the air daily.

Application scenario



rural villages



army bases



off-grid settlements



hospitals



construction sites



manufacturing facilities



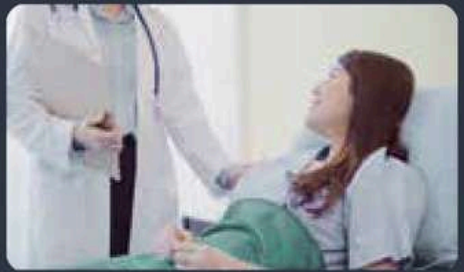
rural villages



army bases



off-grid settlements



hospitals



construction sites



manufacturing facilities

Product parameters

Products

Model	A2000
Capacity	2000L/Day
Minimum order quantity	20containers
Order delivery time	60Day
Payment cycle	50% deposit, final payment before delivery

Function

Normal temperature water	Have
Hot-water	Not have
Cold-water	Not have

Technical Data

Voltage/Frequency	AC 380V 50Hz
Control panel	Touch screen
Compressor type/Manufacturer	GMCC / HIGHLY/Copeland
Water production power	Power 17.3KW
Number of compressors	2
Power	N/A
Operating Temperature	-10°C ~ 55°C
Working humidity	10%-95 RH
Water tank capacity	80L
Water filtration system	PPF+GAC+ PPF+RO+LED-UV
Lifetime water filtration system	TBA
Air filtration syste	Composite material filter screen
Automatic reminder of filter life	Have
Refrigerant	R410a
Operating sound level	65dB
Average defect rate	1.50%
Ozone system	Not have
Sterilization system	UV sterilization+water circulation filtration

Performance

Cold water temperature	N/A
Hot water temperature	N/A
Capacity (L)/day	2000L/Day (30°C, RH 80%)
Power consumption per liter of water(KWH/L)	0.21KWH/L

Package

Container loading quantity (20'GP/40'GP/40'HQ) :	3pcs/6pcs/6pcs
Net weight (kg)	1800kg



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A5000-HE

Medium size movable air water making machine
Large size movable air water making machine

A5000 is a Super large-scale mobile Atmospheric Water Generator. This plug-and-drink solution is designed to meet the needs, similar to the A2000 but a larger scale including rural villages, off-grid settlements, army bases, manufacturing facilities, hospitals, large mines and construction sites, and other decentralized applications seeking a new drinking water source. A5000 doesn't require any infrastructure and works absolutely independently from existing piping. A5000 uses AtmoVerse's patented new functional material technology which makes it highly efficient to operate and enables the creation of up to 5000 liters of pure, safe, and tasty drinking water from the air daily.

Application scenario



rural villages



army bases



off-grid settlements



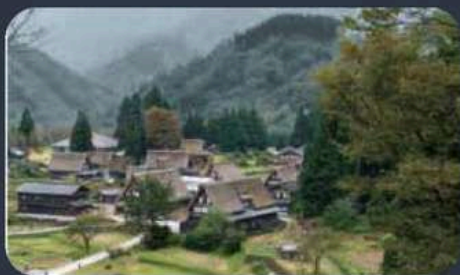
hospitals



construction sites



manufacturing facilities



rural villages



Farms
army bases



off-grid settlements



hospitals



construction sites



manufacturing facilities

Product parameters

Products

Model	A5000-HE
Maximum water production capacity	5080L/D (@27°C/60%)
Voltage/Frequency	AC 380V/60Hz
Power Input	80.83kW
Air Intake	32800m ³ /h
Wind resistance	< 198pa
Refrigerant	R32/R410a
Operating temperature	-10°C~55°C
Operating humidity	10% ~ 95% RH
Water TankStorage (Purified)	2000L
Water TankStorage (Original)	500L
Water purification system	PP+CB+RO+CTO
Air purification system	Composite filter (activated carbon, non-woven fabric)
Running noise	< 85dB
Sterilization system	UVC sterilization Water circulation filtration
Water vending system	Optional
NW.	3300Kg
GW.	3580Kg
Product Dimensions (L*W*H)	4680cmX2430cmX1980cm
Packaging Dimensions (L*W*H)	4800cmX2550mX2100m



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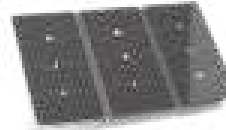
Solar Panel

+ Outdoor Mobile Power

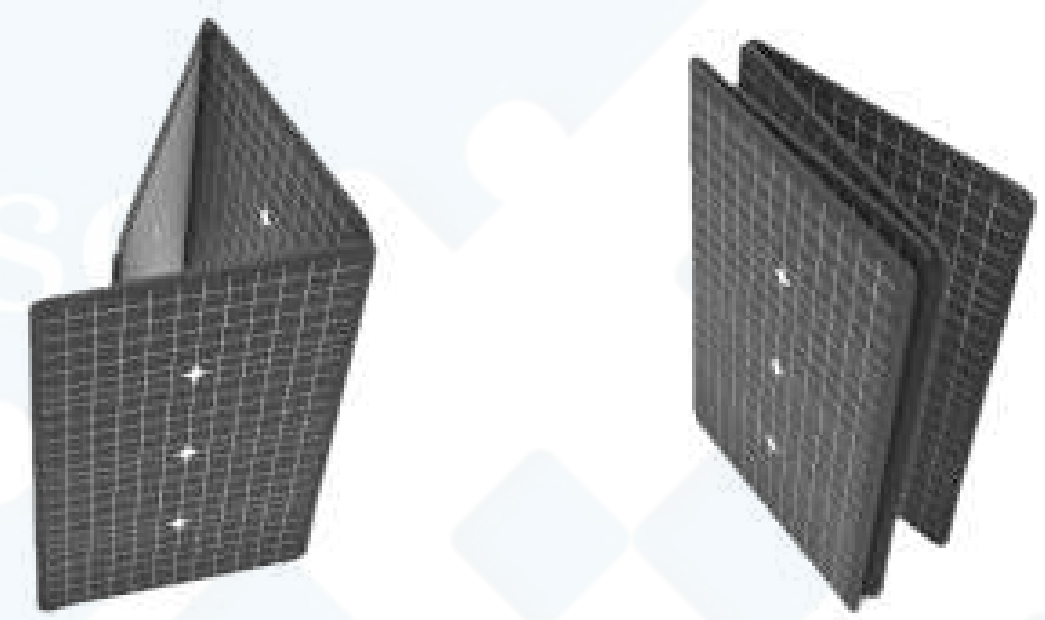
Portable design that makes your journey more convenient and comfortable. Outdoors or in extremely resource-poor areas such as Central Africa, Middle East, etc., the A10 photoelectric module can provide the electrical energy needed for machine operation. Photovoltaic panels convert light energy into electrical energy and store it in a mobile power supply, which then drives the operation of the machine to achieve the sustainability of clean energy. Foldable photovoltaic panels are easy to carry in vehicles and provide a variety of power combinations to adapt to different use needs.



Different Types of Photovoltaic Panels

Specification	110W	160W	220W	400W
				
Rated Watt	110W	160W	220W	400W
Efficiency	22-23%	21-22%	22-23%	22-23%
Battery Type	Monocrystallin Silicon			
Charging Pod Type	4kg	5.6kg	9.5kg	16.5kg
Expand Dimensions	120*51*2.5cm 180*51*2.5cm 180*102*2.5cm 240*102*2.5cm			
Folded Dimensions	60*51*2.5cm 60*51*2.5cm 60*102*2.5cm 60*102*2.5cm			

Free Combination



The Photovoltaic panels are modular in design, and different sizes of panels can be freely combined to create different rates of photovoltaic panels for different usage scenarios

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