

## COMPACT WATER GENERATOR FOR ON-BOARD & STATIONARY APPLICATIONS



### LA MICRO

**A versatile equipment to provide drinking water at all times and under all circumstances**

Ensure a minimal and secured supply of water, **especially when there is no existing source of liquid water, or that it is risky to procure** (polluted or poisoned water, of dangerous access, etc.).

This solution avoids taking from the local population resources, release chemicals related to the treatment of surface water, or waste production, with the hassle of PET bottle storage and recycling.

#### ***Purification of the air before drinking water production and of the water after condensation***

**LA MICRO** is provided with a **cyclonic pre-cleaner** and **active charcoal filters** that remove dust, pollen, fine particles, so that it resists to polluted environment that can be found in operation or produced by the vehicles (exhaust gas, fumes, raising of dust). **The purified air is then used to extract its water.**

The water produced is processed in real time through a single multi-phase cartridge.

**Cleaned of any potential impurity, mineralized and stored at low temperature, the water is ready to be distributed under pressure for human consumption, adhering to WHO standards for drinking water.**

#### ***A general-purpose equipment, including mobile operations***

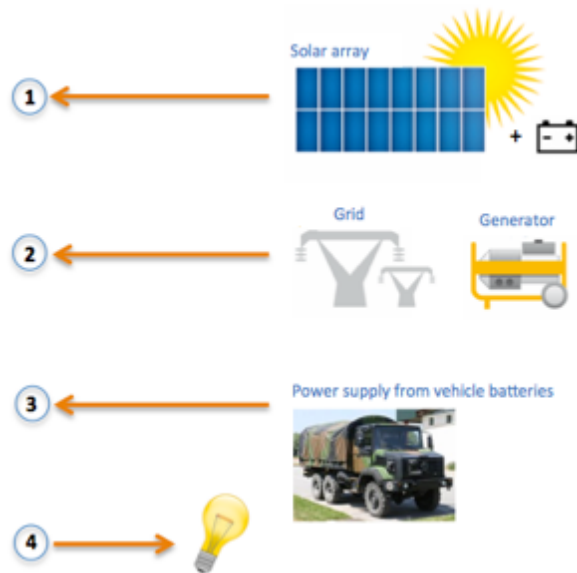
In situations of mobility, **LA MICRO** is powered by the 24 V-batteries of the **vehicle** or a **power generator**. At a standstill, it can be unloaded from the vehicle and connected to the **conventional power grid** or a **photovoltaic array** thanks to incorporated solar chargers and any required power electronics (a few solar panels and a battery pack are enough to operate the unit in **total self-sufficiency**).

#### ***A multi-source electrical power equipment***

**LA MICRO** works on multi sources electrical power and adapts to different voltages and can handle input variations. It has a 24VDC socket allowing it to run **on batteries of a land vehicle** or a **craft**. Fitted with an AC power outlet, **LA MICRO** also turns into **stabilized power generator**.

# COMPACT WATER GENERATOR

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### PRODUCT SPECIFICATIONS

#### ELECTRICAL DATA

Rated power	1200W
DC power supply	18.4 VDC / 34 VDC
AC power supply (grid/generator)	180-265 VAC / 1 Phase / 45-65 Hz
Photovoltaic power supply	Power: 2 x 1400Wc max. / 100 VDC max.
Recommended battery pack	24 V / 500 Ah
Frequency/voltage output (AC)	230 VAC ± 2% / 1 Phase / 50 Hz ± 0,1% / 3000 VA
System settings and control panel	included
Remote control	WiFi or Ethernet Connection included

#### AIR TREATMENT

Cyclonic pre-filter	
Active charcoal filters	Replacement frequency depending on the level of fouling included
Soiling indicator	

#### WATER TREATMENT

Single multi-stages cartridge	Replacement frequency	1 time / year or every 10,000 liters
Mineralization cartridge	Replacement frequency	1 time / year
Flow rate at the distribution point		1.5 liters / minute
Water output pressure		3 bar
Water output temperature		>5°C - 10°C<
Internal storage capacity		3.5 liters

#### MISCELLANEOUS

Refrigerant gas	R404a
Temperature operating range	>5°C - 45°C<
Dimensions (mm)	L 818 x l 680 x H 776
Operating weight	105 kg
Sound level	at 5 meters 55 dB(A)

#### WATER PRODUCTION

Per hour of operation	Output at 40°C - 30%HR	0,6 liter/hour
	Output at 25°C - 60%HR	1 liter/hour
	Output at 35°C - 80%HR	2,7 liters/hour

- ① Powered by solar panels
- ② Powered by grid or generator
- ③ Powered by 24VDC battery supply of a land vehicle (armored, 4x4, truck) or a craft
- ④ Turns into stabilized power generator

