



The mission of WorldWater & Solar Technologies, Inc. is to make clean water and power available everywhere in the world through its proprietary solar technology

# Introducing Mobile MaxClear™

The Mobile MaxClear™ is a solar-powered, stand-alone system designed to pump, filter and purify water and provide clean power. The system is mounted on a custom trailer platform for ease of mobility and utilizes WorldWater's proprietary technology to provide clean drinking water anywhere in the world.

Mobile MaxClear™ features include:

- Provision of an average 37,000 liters (10,000 gallons) of clean drinking water each day for a **fraction of \$0.01 per liter** from wells, rivers, lakes and other sources in as little as five hours of daily sun exposure
- Reverse Osmosis unit capable of purifying up to 3,800 liters (1,000 gallons) of water per day
- 900 Watt solar array integrated on trailer
- Water purifier and solar array are integrated into a 4'x6' enclosed trailer. Trailer is DOT approved and is equipped with a military style pintle hitch for ease of towing
- 1000W inverter to operate 110 VAC small AC appliances
- An environmentally friendly system producing no noise or pollution
- No gasoline, diesel, or external power (except sun) is required for operation
- Freshwater ultrafiltration water treatment is available along with reverse osmosis (RO) & brackish water treatment
- Water purification system operational in under 15 minutes



The Mobile MaxClear™

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**Disaster Preparedness & Emergency Response**



**Remote Water, Power & Communications**



**Life Saving Technology for Developing Countries**



**COST EFFECTIVE**

**RELIABLE & EFFICIENT**

**MAINTENANCE-FREE**

**QUIET & POLLUTION FREE**



WorldWater's purification process is state of the art, removing dirt, silt, sand, bacteria, pathogens, cysts and viruses. Reverse Osmosis (RO) systems are also available for desalination, as optional upgrade.

- **Stage 1:** media filter for removing turbidity and reduce particle size to 5 microns or less
- **Stage 2:** carbon cartridge filtration to further reduce particle size to 0.5 microns or less
- **Stage 3:** sterilization by ultrafiltration or desalination membranes
- No chemicals added to water in standard process (chlorination unit optional)
- Freshwater systems have a parallel filtration allowing for continuous purification even during system maintenance
- Brackish water (RO) systems are available for 10,000 TDS PPM, and seawater (RO) purification handles water with TDS under 45,000 TDS PPM.
- Comes with all necessary hoses, pumps, fittings, tools and 2 months of consumable filter replacements. Additional consumable filter packages are available in 1 year quantities.

CATEGORY	#	Units/Desc.	Data US (METRIC)
<b>Ext. Dimensions: LxWxH</b>		Open	17 ft. long x 6.1 ft. wide x 7.2 ft. high (5.2m x 1.8m x 2.1m)
<b>Ext. Dimensions: LxWxH</b>		Closed	13.5 ft. long x 6.1 ft. wide x 7.2 ft. high (4.1m x 1.8m x 2.1m)
<b>Weight:</b>		Dry	Approx. 1350 lbs. (612 kg)
<b>Construction:</b>		Various	Steel, aluminum, welded, bolted
<b>Solar Panels:</b>	3	Total Wattage	900 Watts (300 x 3 panels), integrated into trailer
<b>Batteries:</b>	2	Capacity	5.4 kWh Deep cycle gel battery bank   8G8D AGM battery bank for nighttime power generation
<b>Trailer:</b>	1	Single axle	4' x 6' enclosed cargo trailer, rear door, 2000lb Axle, pintle hitch, 175/80D13 tires
<b>Pumping System:</b>	1	Current	PS600 electronic pump controller with solar/generator input. C-SJ8-5 -D submersible pump and motor unit. 37 cubic meter output at 7 meters head.
<b>PURIFICATION PACKAGE</b>			
<b>Freshwater Filtration</b>	Avg 10,000 gallons (37,000 liters) per day		Biological and sediment contaminated freshwater sources. 3 level filtration comprising sediment, carbon, and ultrafiltration
<b>Brackish Water Filtration</b>	Avg 1,200 gallons (4,500 liters) per day		10,000 parts per million of total dissolved solids, biological and sediment contaminated brackish water sources (with generator)
<b>Seawater Filtration</b>	Avg 1,000 gallons (3,800 liters) per day		45,000 parts per million of total dissolved solids, biological and sediment contaminated seawater sources (with generator)



## Technical Specs for the addition of the power system

The power system upgrade will include the following components:

- 900 W total solar array
- 2 Batteries 5.4 kWh storage capacity
- High efficiency MPPT solar charge controller
- 12V DC power supply with power ports and USB connections for charging small DC devices (laptops, phones, lights etc.)
- 1000W inverter to operate 110 VAC small AC appliances

Standard Battery Storage



900 watts integrated onto trailer



Advanced Mobility



[www.worldwatersolar.com](http://www.worldwatersolar.com)