



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.
- 900 Watt solar array integrated on trailer
- Water purification system is easy to set up and take down allowing for purified drinking water within 15 minutes of arrival on site
- Water purifier and solar array are integrated into a 4'x6' enclosed trailer. Trailer is DOT licensed and is equipped with a military style pintle hitch for ease of towing
- 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 as optional upgrade



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) |
|-----------------------------|--|--|--|
| Ext. Dimensions: LxWxH | | Open | 9 feet long x 5 feet wide x 8 feet high (2.7m x 1.5m x 2.4m) |
| Ext. Dimensions: LxWxH | | Closed | 9 feet long x 5 feet wide x 6 feet high (2.7m x 1.5m x 1.8m) |
| Weight: | | Dry | Approx. 1350 lbs. (612 kg) |
| Construction: | | Various | Powder-coated steel, aluminum, welded, bolted |
| Solar Panels: | 3 | Total Wattage | 900 Watts (300 x 3 panels), integrated into trailer |
| Batteries: | 2 | Capacity | 5.4 kWh storage capacity 8G8D AGM battery bank for nighttime power generation |
| Trailer: | 1 | Single axle | 4' x 6' enclosed trailer, rear door, 2000lb Axle, pintle hitch, 175/80D13 tires |
| Pumping System: | 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. |
| PURIFICATION PACKAGE | | | |
| Freshwater Filtration | Avg 10,000 gallons (37,000 liters) per day | Biological and sediment contaminated freshwater sources. 3 level filtration comprising sediment, carbon, and ultrafiltration | |
| Brackish Water Filtration | Avg 5,000 gallons (18,900 liters) per day | 10,000 parts per million of total dissolved solids, biological and sediment contaminated brackish water sources (with generator) | |
| Seawater Filtration | Avg 3,000 gallons (11,350 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.)
- 120/220 VAC 3 kW inverter to operate small AC appliances

Optional Battery Storage



900 watts integrated onto trailer



Advanced Mobility



www.worldwatersolar.com