

OPTIMIZE WATER SOLUTIONS
WaterNow™ MOBILE SOLAR-POWERED WATER PURIFIER



PRODUCT LINE
MOBILE PURIFICATION

PURIFICATION

Three-stage filtration and sterilization process

THROUGHPUT

Fresh water (ultrafiltration) to 7,500 gallons/day
Salt water (reverse osmosis) to 1,800 gallons/day

MOBILITY

DOT-approved 5' x 8' single-axis trailer

SET UP

Operational in under 15 mins

MANUFACTURED

Hagerstown, MD, USA



Description

Self-contained, solar-powered, stand-alone system designed to pump, filter, purify water, and provide clean electrical power. The system is enclosed in a custom single-axle trailer that is small, light, and easy to maneuver, transport, and set up.



OPTIMIZE
WATER SOLUTIONS™

Creating Clean and Empowering Water Solutions

TECHNOLOGY PROVEN GLOBALLY TO DELIVER LOCALLY



Water Purification

- **3-Stage Purification Process** removes all dirt, silt, sand, bacteria, pathogens, cysts, and viruses, leaving only clean potable water.

Stage 1: media filter for removing turbidity and particle-size reduction to 5.0 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).
- Simple analog controls and gauges for water purifier operation, no electronics.
- Membranes are protected from overpressure and scaling by design and can last 8-10 years or more with proper maintenance.
- All purification systems have parallel filtration, allowing for continuous purification, even during system maintenance.
- Reverse Osmosis (RO) systems treat water with up to 45,000 ppm Total Dissolved Solids (TDS).

Features

- Purifiers are available for both fresh and saltwater applications. Fresh water systems (ultrafiltration) produce up to 7,500 gallons per day of clean potable water, and saltwater (reverse osmosis) systems produce up to 1,800 gallons per day of clean potable water.
- Water sources can be wells, surface water, oceans, or contaminated municipal water supplies.
- 1,620 Watt integrated solar array and Lithium Iron Phosphate (LiFePO4) battery bank allows for continuous, 24/7 operation with as little as six (6) hours of sun per day.
- System is mounted in a lockable 5'x8' enclosed DOT approved trailer.
- Integrated 7kW inverter can power 110VAC, 220VAC, and USB-C ports to charge devices such as phones and laptops.
- Purifier is an environmentally friendly system producing no noise or pollution.
- No gasoline, diesel, or external power (except the sun) is required for operation.
- Water purification unit is set up and operational in under 15 minutes.

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