



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

Cost Effective
Quiet & Pollutant Free
Low Maintenance
Reliable & Efficient

Stand-Alone Solar Infrastructure

Defense, Security and Disaster Response Solutions

WorldWater & Solar Technologies develops, designs and builds integrated solar and water platforms. WorldWater has brought its unique solar energy and water applications expertise to farms, communities, defense organizations and disaster relief missions throughout the U.S., Latin America, Africa, Asia and the Middle East. Feature Include:

- Fully packaged, portable and transportable system for immediate deployment providing reliable power, clean water and communications at a fraction of the cost of building traditional infrastructure
- Reduced logistical burden at distributed bases or disaster response missions, significantly decreasing the need for costly and dangerous convoys
- Stand-alone systems leaving no footprint; movable and redeployable by trailer, man-portable, sling loaded, air-droppable or transported in a standard international shipping container
- Range of capabilities available to support small teams through Forward Operating Bases and Villages
- Modular assembly, scalable to meet demands of volume
- Designed with internally sub-modular components for increased reliability and maintenance ease, as well as flexibility to substitute water treatment subsystems for a wide variety of sources
- Strategic and environmentally friendly system producing virtually no noise or pollution during operation

WorldWater's fully packaged systems include:

- PEAK™ (Pre-Positioned Expeditionary Assistance Kit)
- MiDAS™ (Miniature Deployable Assistance System)
- SHEPS™ (Solar-Hybrid Expeditionary Power & Purification System)
- MobileMaxPure™
- Mobile MaxClear™

Please see the reverse side for additional details on each system.



Mobile MaxPure™ - Iraq



SHEPS™ - Thailand



PEAK™ - Honduras



*Patents
US # 6,275,403
US # 6,583,522
US # 7,145,265
US # 7,148,650



PRODUCT

KEY COMPONENTS

SPECIFICATIONS



Mobile MaxPure™

- 3 kW AC inverter
- 3.3 kW folding solar array
- 31 kWh deep cycle gel battery bank
- AC/DC electrical load center
- Ultrafiltration water treatment
- Reverse Osmosis water treatment
- Field level support package
- One year of consumables

Fully packaged and easily transportable solution with multiple water treatment options capable of purifying up to 30,000 gallons (113,500 liters) per day from freshwater, 3,000 gallons (11,350 liters) from seawater; auxiliary AC/DC electricity to provide critical power to electronics and small appliances.



Mobile MaxClear™

- 900 watt (300 x 3 panels) roof mounted solar array
- Water purifier and solar array are integrated into a 4' x 6' enclosed trailer
- Ultrafiltration water treatment
- PS600 electronic pump controller with solar/generator input
- Optional two batteries – 5.4 kWh storage capacity

Solar powered, stand-alone system designed to pump, filter and purify fresh water. System is mounted on a custom trailer platform for advanced mobility. Water treatment up to 10,000 gallons (37,000 liters) per day from fresh water. Fully operational within 15 minutes arriving onsite.



MIDAS™

- Four (4) 120 watt and one (1) 30 watt rugged, flexible high efficiency crystalline solar modules
- 2 kW auxiliary generator
- Ultrafiltration or Reverse Osmosis water treatment
- WorldWater communications platform, aid in disaster relief and military operations

Low cost, self-contained modular, hybrid-powered system for portable water purification, communications and situational awareness; water treatment up to 1,440 gallons (5,450 liters) per day from freshwater, and up to 432 gallons (1,635 liters) per day from brackish or seawater; utilizes the Joint Modular Intermodal Container (JMIC)



SHEPS™

- Four (4) 120 watt flexible panel solar array with additional power input capabilities
- 2 to 3 suitcase sized cases; one container water purification, one container accessories; optional case includes 3 kWh lithium ion battery storage and AC/DC power
- Ultrafiltration or reverse osmosis water treatment

Solar-hybrid powered, stand-alone and easy to use water treatment power generator built into rugged, portable cases; water treatment up to 60 gallons (227 liters) per hour from freshwater sources or up to 18 gallons (68 liters) per hour from brackish water or seawater sources with TDS < 45,000 PPM; fully operational within 30 minutes arriving onsite



LDITS

- Ability to transport and protect ISU-30/60/90 containers and 463L pallets
- 172 inches long, 89 inches wide, 63 inches tall (4.4 meters long, 2.2 meters wide, 1.6 meters tall)
- Weight approximately 1,600 lbs. (726kg) curb weight
- Max payload capacity of 5,500 - 7,500 lbs. (2500 - 4300 kg) depending on options
- Adaptable to civilian or military vehicles
- Available in desert tan or OD green

Successfully tested at U.S. Army Test and Evaluation Command (ATEC) at Aberdeen Proving Ground. ISU-30 and ISU-60 containers atop a trailer can be driven directly into and out of ISO shipping containers, military aircrafts reducing logistical burdens. Comes with spare tires, locking integrated tool box. Support kit contains jack, wrench, chocks and winch handle and strap. Cargo deck access steps included as standard equipment.