

# Water Purification: Harvester™ Water Purification System W001

Purify water from wells, ponds, streams or rain water  
Mobile: clean drinking water anywhere anytime  
Capacity: 250 to 750 gallons per day  
Self priming: up to 9 feet



Three stage filtration ensures proper UV dosage:  
1) Particle filter removes dirt & suspended solids  
2) Carbon filter improves water taste and odor  
3) UV filter kills disease causing pathogens

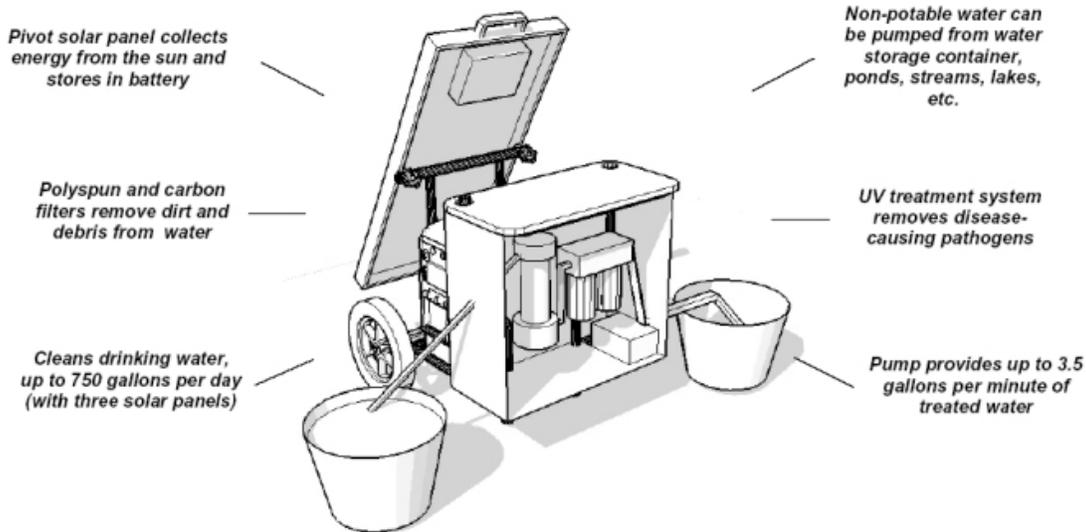


**SolarOne**<sup>®</sup>  
Solutions

# Water Purification: Harvester™ Water Purification System W001



The **Harvester™** Water Purification System is a portable water filtration system that can draw and purify water from a range of sources, including water storage containers, ponds, lakes, and streams. The system, powered by renewable solar energy, requires no gasoline or other fuels, and is powerful enough to provide up to 750 gallons of safe, clean drinking water in one day.



The **Harvester** Water Purification System is a sturdy, rugged unit that brings water purification capabilities directly to the water source. The system is ideal for areas with little or no power sources and poor water quality. The system uses energy from the sun to recharge a fully contained 104 amp hour sealed battery. A sturdy, maintenance-free 80 watt solar panel tilts easily to recharge the fully enclosed battery. There are no dangerous fuels, no smelly fumes; just simple, clean power.

## Sample Run Times

Performance varies greatly depending on the number of solar panels and the operating location. To determine how the water purification system will perform in your location please contact SolarOne™.

Solar Panel***	Run Time per Day	Gallons Per Day*	Max Gallons**
Harvester 1x (1-80 watt panel)	2.2 hours	400	2800
Harvester 2x (2-80watt panels)	4.5 hours	800	3050
Harvester 3x (3-80watt panels)	6.7 hours	1200	3300

\*Here, the unit is used every day with four hours of full sun. Energy to purify water equals energy collected by the solar panels.  
\*\* In this scenario the unit is run only 1 to 2 days per week using remaining days to recharge the battery.

## Specifications

See the **Harvester** Specifications for complete details on the Harvester solar-electric power source.

Specifications	W001 Water Purifier
Solar Panel	80 watt standard, 1 to 3 panels per system
Battery	100 amp-hour, sealed maintenance free
Dimensions	Water purifier only = 25 x 25 x 10 inches
Weight	Water purifier only = 60 pounds
Pressure	40psi
UV dosage	38 mJ/cm <sup>2</sup> at 4 gpm
Filters	Polyspun 5 micron filter and active carbon filter
Pump	12 volt, 3 chamber diaphragm, self priming up to 9 ft, 3 gallons per min
Construction	Powder Coated Steel NEMA 4 enclosure. Fully assembled.

