



The **WaterQuip SOLAR-2** is a solar powered water purification system that cleans water using proven ultraviolet (UV) disinfection technology and fine sediment and taste/odor filters. UV is a chemical free process which deactivates bacteria, virus, and protozoa by up to 99.99%, thus providing clean and safe drinking water which meets the World Health Organization's and local health departments' standards for potable water.



The SOLAR-2 is specifically designed for use in rural areas where no electrical power is available. It is a cost-effective solution to supplying safe drinking water in areas with poor or lacking infrastructure. The SOLAR-2 includes a high-efficiency water purification unit and a quality solar power system. It is easy to use and virtually no installation is required.

The primary power source of the SOLAR-2 is a deep-discharge, long-life AGM battery that ensures continuous operation of the water purification unit for extended periods of time. The battery is charged by a high-quality crystalline solar panel.

The system has a built-in safety interlock that, in the unlikely event of a system malfunction, will sound an alarm, automatically close the water outlet to prevent further use of the system.

Like all WaterQuip products, the SOLAR-2 is a reliable, high-quality product with an expected service life of at least ten years under normal operating conditions.

Technical Specification

Water cleaning capacity	23 liters per minute, 1,380 liters per hour *
Operating pressure	0.3-8 Bar
Ambient temperature	0-50 °C
Solar panel array capacity	500 W
Battery capacity	12 V / 90 Ah (AGM deep cycle)
Max. power consumption	26 W
Security and safety	Auto shut-off in case of malfunction
Shipping weight (incl. batteries and solar panels)	65 kg

* Actual flow will depend on operating condition such as water pressure, type of filters, condition of filters, etc.

Maintenance

UV lamp (S463RL)	Replace once a year
Quartz sleeve (QS-463)	Clean or replace as needed
Sediment filter 1 (washable)	Replace or clean as needed
Sediment filter 2 (AWP110)	Replace as needed
Carbon filter (C-01)	Replace as needed
Battery	Maintenance free, replace as needed
Solar panels	Dust as needed

WaterQuip – quality water purification systems