



Solar Water Purification System

Solar powered, high capacity, fully mobile and reliable water purification system.

The solar powered water purification system is a self-contained system. The environmentally-friendly technique of supplying power to the unit makes it uniquely suitable for both itinerant and stationary uses. water treatment products are mobile, robust and light weight

GENERAL DESCRIPTION:

The system consists of two main parts:

- (1) A photovoltaic driven power station and
- (2) A water purification unit.

The photovoltaic unit provides clean and reliable electrical energy. The system has a 12 volt output that provides clean, reliable electrical power for all needs, e.g. electrical light, charging mobile phones, laptops, radios and others.

The water purification unit cleans water using proven UV disinfection technology without any chemicals. The purification unit eliminates bacteria, virus and protozoa, thus providing clean and safe drinking water which meets the World Health Organization's and Health Department's standards for potable water.

The system itself is very easy to use with virtually no installation required. For extra safety it has a built-in alarm function: if the purification unit is out of order, an alarm instantly sounds, following which the pump automatically shuts down. The system itself is very easy to use with virtually no installation required.



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TECHNICAL SPECIFICATIONS:

Solar Power	85 W
Battery capacity	60 Ah (not included)
Electrical output	12 V / 7.5 A
Water cleaning capacity	700 liters/hour
Current	8.3 A
Weight	13 kg
Dimensions	560 x 600 x 140 mm
Recommended max water input temperature	40°C
Security and safety system	In case of malfunction, an alarm sounds and the pump shuts down automatically.

MAINTENANCE:

Filter	Replace when needed, in case of low water flow
UV-lamp	Replace every 3 years in normal use 8 hour/day, 5600 liters/day

SPARE PARTS:

Fuses: Standard car fuses

Pump membrane

Our water treatment products are mobile, robust and light weight.

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