

BACKPACKER

A user-friendly, lightweight, mobile and robust solar powered water purification system

SYSTEM SPECIFICATION:

This is a travel-friendly version of our solar powered water purification system. The BackPacker weighs 12.5 kgs and is equipped with comfortable shoulder and padded hip supports so that it can be carried comfortably over long distances.

GENERAL DESCRIPTION:

The system is powered by a built-in high-capacity battery, which is charged by a foldable, resistant, and lightweight solar module. The system is equipped with a 12 Volt output that can provide clean reliable electrical power for all needs, e.g. electrical light, charging mobile phones, laptops, radios, among others.

The water purification unit cleans water using proven UV disinfection technology without any chemicals. It is also equipped with a filter package that reduces heavy metals and chemicals. The purification unit eliminates bacteria, viruses and protozoa and provides clean, safe water that meets the World Health Organization and Health Department's standards for potable water.





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The actual system is very easy to use with virtually no installation required. For extra safety, it has a built-in alarm function: any disruption in the normal operation of the purification unit will cause an alarm to sound and the pump to be switched off immediately.

TECHNICAL SPECIFICATIONS:

Solar Power	Minimum 60 W and up.
Battery capacity	7 Ah
Electrical output	90 W
Water cleaning capacity	300 liters/hour
Current	8.3 A
Weight	12.5 kg
Dimensions	600 x 390 x 210 mm
Recommended max water input temperature	40°C
Security and safety system	Alarm sounds and auto-shut-off pump, in case of malfunction.

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:

(1)UV Lamp (2) Fuses: 7.5A & (3) Filter 5”



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

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