



## **Solar-Powered UV Drinking Water Purification System**

Off-Grid Water Treatment for Use Anywhere Mounted on Cart

Pump, Dual Filter Set, UV Disinfection  
12 Volt Power Pack, 55 Watt Solar Panel



## SPECIFICATIONS



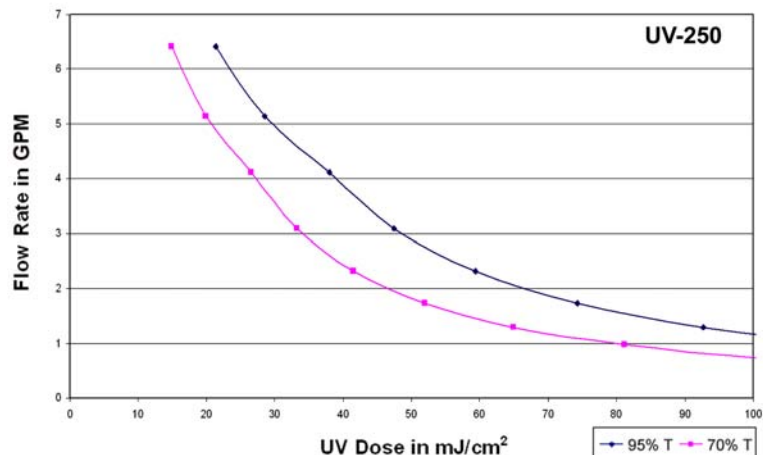
### WYCKOMAR Solar Powered UV-250

<b>Rated Flow:</b>	16 litres per minute (4 GPM) 960 litres/hour, 23040 litres/day (240 gallons/hour, 5760 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	46mJ/cm <sup>2</sup> (46,000 uwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	12 Volt Battery Power Pack 55 W Solar Panel
<b>Approx. Power Usage:</b>	23.4 W
<b>Maximum Operating Temp:</b>	37°C (98.6°F)
<b>Maximum Operating Pressure:</b>	45 psi – 3 bar
<b>Plumbing:</b>	3/8" Outlet (Compression Fitting)
<b>UV Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Filtration:</b>	5 Micron 10" Sediment Filter 5 Micron 10" Carbon Block Filter
<b>Approx. Size:</b>	L 31" x W 27" x H 49"
<b>Approx. Weight:</b>	200 lbs

The Solar Powered UV-250 System combines high quality pre-filtration with our proven ultraviolet purification technology to produce a complete water quality system for use in "off-grid" applications, where no power outlet is available. The filter system removes sediment, rust, dirt, taste and odours that may be present in the source water, and can easily be customized for the removal of other contaminants. The integrated UV-250 sterilizer kills pathogens (harmful microorganisms such as viruses, bacteria and protozoa) with a powerful UV disinfection dose at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart



### Drinking Water Where it is Needed

This system collects sunlight to charge the on-board battery pack. It then uses the generated power to pump and process local source water to produce high-quality clean water safe for human consumption.

This cart mounted system offers very efficient water treatment at a low cost per unit volume. The system is fully tested prior to shipment and is designed for a quick set up right out of the box.

Specifications may be subject to change

