

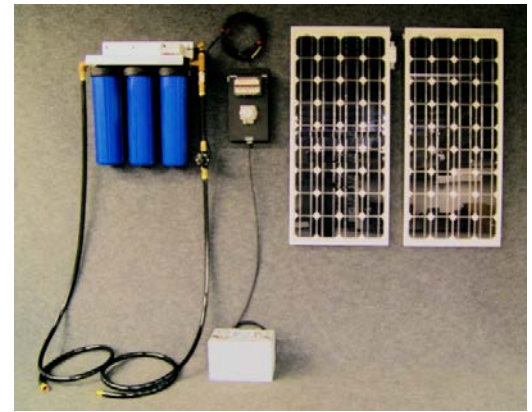


INTERNATIONAL

## Villager® S8-3

### Solar Powered Water Treatment System

Small Villages and Towns in Remote Locations with  
City or Well Water Pressure and No Electrical Power  
480 gallons (1,176 liters) per hour, approx (DOH)



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| <ul style="list-style-type: none"><li>• <b>Turn-Key Systems</b>, Built-in Flexibility</li><li>• <b>Easy Set-Up</b>, Instant Water Production</li><li>• <b>8 gallons / 29 liter</b> per minute, approx. DoH</li><li>• <b>480 gallons</b> (1,176 liters) per hour, approx</li><li>• <b>24 Hour Programmable Timer</b> for Control of running time for approx 16 hours per day</li><li>• <b>Pre-Plumbing and Pre-Wiring</b> already Installed</li></ul> | <ul style="list-style-type: none"><li>• <b>0.5 micron Carbon Block</b> Filtration</li><li>• <b>Ultraviolet Light (UV)</b> Water Disinfection System</li><li>• <b>12- volt</b> Photovoltaic Solar Panel / Battery Powered</li><li>• <b>Control Panel:</b> 16" tall x 9" wide x 6" deep. 15 lbs.</li><li>• <b>Solar Panel:</b> 47" L x 21" W x 20" D x 2 lbs.</li><li>• <b>Battery:</b> 12 volt - 13"L x 7"W x 10"D x 75 lbs.</li><li>• <b>10 ft Inlet and Outlet</b> Flexible Hose Connections</li></ul> |
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## Cleaner and Safer Drinking Water from Wells, Bore Holes or Water Tank Sources

Aqua Sun engineered and manufactures the **Villager® S8-3**, Solar / Battery Water Treatment System. This system is a wall mount water treatment system that can mate up with a deep well or surface mount solar powered water pumping system or use pressurized water from a water tank, well, borehole or city water line and produce approximately 8 gallons / 29 liters maximum per minute x 60 minutes = 480 gallons / 1,1776 liters per hour. This solar / battery system will be able to provide approx 12 hours of constant power before the battery will need to be recharged. Whenever the sun is shining, the solar system will always be recharging the battery, even while the water treatment system is working. This system is also controlled by a 24 hour programmable electrical timer for energy savings. This system is a 12-volt electrical power system.

This system comes as a turn-key package and is designed for easy installation as all of the wiring is pre wired and all that needs to be done is hang the water treatment system on the wall in a convenient location. Plumbing in and out of the water treatment system is easy with 10 foot inlet female garden hose connection and a 10 foot outlet male garden hose pre-plumbed out of the system. The outlet side has a Flow Regulator (8 gpm max.) and a No Power Water Flow Shut Off Valve. The controller / battery will need to be located with-in 5ft of the water treatment system. The battery is shipped separately or purchased on site to save in shipping costs and hassles. The Battery will need to have the positive and negative wires connected to the pre-wired system. Mount the solar panel in a sunny location within 25ft of the system in a convenient sunny location. Attach the solar wires to the panel that are already prewired into the control box. Install filters and UV Lamp and plug into Control Box and the system is ready for operation. It is simple and easy to install the **Villager S8-3 Solar / Battery Powered Water Purification Systems**.

This **Villager S8-3** System requires a minimum of 20 psi (75 max) to push the water through a **Sediment Filter** to remove the larger debris and sediment. The water is then pushed through a **0.5 micron Carbon Block Polishing Filter** that has the capabilities of removing **Giardia and Cryptosporidium Cysts, Herbicides, Pesticides, Trihalomethanes (THMs), certain Volatile Organic Chemicals (VOCs), Chlorine and Chlorine By-Products, Sediment, Bad Taste, Odors, Color, Smell, and many other Harmful Chemicals and Contaminants**.

The polished crystal clear filtered water is then channeled past an **Ultraviolet Light Disinfecting Process** that has the ability to kill the **Bacteria, Viruses, Typhoid Fever, Coliform, Dysentery, Cholera, Infectious Jaundice, Hepatitis and Influenza Virus, E-coli, Enteric Fever** and many other unwanted microorganisms to a 99.999% purity.

Life expectancy of the Sediment Pre-Filter depends upon how dirty incoming water is.  
Life expectancy of the Carbon Block Post-Filter with clean incoming water is 45,000 gallons or 1 year.  
The Ultraviolet Disinfecting Light life expectancy under normal usage is 8000 hours or 12 year.

These Systems are approved for **air shipments** inside and outside the continental United States. All water contact components carry a **NSF Approval Rating** and the ultraviolet light carries a **Certificate of Analysis**. The filter and UV light manufacturers are members of the **Water Quality Association**. Aqua Sun International is a registered **DEPARTMENT OF DEFENSE CENTRAL CONTRACTOR**, an approved **UNITED NATIONS SUPPLIER**, and a member of the **AMERICAN SOLAR ENERGY SOCIETY (ASES)**.

## **SEDIMENT FILTER**

Removes ground water sediment and protects the carbon block filter from premature clogging. Not washable. **APPROXIMATE FILTER LIFE EXPECTANCY depends on how dirty incoming water is or 1 year maximum.**

## **0.5 micron CARBON BLOCK with CYSTS AND VOC'S REDUCTION**

Removes and reduces giardia lamblia and cryptosporidium cysts, entamoeba and toxoplasma cysts, volatile organic chemicals "VOC's" pesticides and herbicides, turbidity reduction, sediment, color, bad taste and odors such as hydrogen sulfide "rotten egg smell" and many other microorganisms down to a 0.5 micron. This Carbon Block Filter polishes the water crystal clear for refreshing good tasting water. This filter is made entirely from FDA-compliant materials.

**APPROXIMATE FILTER LIFE EXPECTANCY 45,000 gallons / 165,500 liters or one year of clear incoming water.**

## **ULTRAVIOLET DISINFECTING LAMP**

Clean, safe and natural UV light rays have the ability to kill the bacteria and virus to 99.999 % purity without any harmful side effects much like chemical agents normally added to drinking water. The ultraviolet range is ideal for killing Microorganisms such as E-coli, Coli form, Cholera, Legionnaires Disease, Hepatitis Virus, Typhoid Fever, Dysentery, Infectious Jaundice, Influenza, Enteric Fever and many other unwanted Microorganisms.

**APPROXIMATE UV BULB LIFE EXPECTANCY 9000 hours, or approx 12 – 18 months.**

### **Standard Features:**

- **Size of Water Treatment System:** approx 25" long x 22" wide x 6" deep
- **Standard Operating Power;** Solar Electrical Producing Panel, Battery and Controls.
- **Control Panel:** 16" x 9" x 9" with Solar Controller and 24 hour Programmable Timer
- **Ultraviolet Light only;** 22 Watts / 1.89 amps per hour
- **Weight Empty:** approx. 35 lbs. Shipping Weight Not including Battery. Battery 75 lbs
- **Inlet Connection:** ¾ "Female Standard Hose Threaded Port / Swivel. 10 feet long
- **Outlet Connections:** ¾ "Male Standard Hose Threaded Ports. 10 feet long
- **Rated Water Pressure:** 20 PSI minimum / 65 PSI maximum
- **Ultraviolet Lamp Output:** 16,000 microwatt seconds per centimeter squared and carries a Certificate of Analysis
- **Hoses, electrical cords and all misc. fittings** included with system
- **NSF and FDA APPROVED** on filtration and water contact components
- **Filter and UV Replacement Parts Filter Kits** at a discounted available

### **Options:**

- **U.S. Voltage:** 120 volt. 120 volt to 12 volt converter \$100.00
- **International Voltage:** 220 volt 50 Hz. to 12 volt \$150.00
- **Lamp Out Circuit, (LOC)** System will not operate if UV light is not ON \$250.00

### **Replacement Parts Kit:**

Approx. water amount produced with Replacement Parts Kit = 180,000 gallon / 666.000 liters  
Quantity

- 4 - String Wound Sediment Filters:
- 4 - 0.5 micron Carbon Block Filters:
- 1 - Ultraviolet Bulb:

### **Battery is not included in Price due to Shipping and Transportation Issues**

### **Shipping Box Sizes:**

- Water Treatment System; 1 Box 34" long x 26" wide x 16" tall @ 35 lbs
- With Replacement Parts Kit; 1 Box 24" long x 14" wide x 14" tall @ 20 lbs
- Control Panel; 1 Box 24" long x 12" wide x 12" tall @ 20 lbs.
- Solar Panel; 1 Box 52" long x 24" wide x 6" tall @ 28 lbs.
- Battery; 1 box 15" long x 8" wide x 12" tall @ 75 lbs

**We can ship this system most anywhere in the World. Individually or Ocean Containers.**

P.O. Box 2919 Minden, Nevada 89423  
United States of America

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Villager S8-3 04/12 (rev.)

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