



I N T E R N A T I O N A L

Villager[®] S3-4

Filtration and Ultraviolet Light Disinfection
500 gallons / 1,850 liters per day
Stationary Wall Mount, Solar / 12 volt Powered
Water Purification System for Remote Applications



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| <ul style="list-style-type: none">• Turn-Key Systems, Built-in Flexibility• Easily Transported on an Airplane• Easy Set-Up, Approx 2 hour, 2 people setup time• Pre - Plumbing and Pre - Wiring installed• Instant Water Production• Approx 500 people served with 1 gallon 3.7 liters per Day• 3 gallons (11 liters) per minute approx• 180 gallons (666 liters per hour approx• 500 gallons (1,850 liters) per 3-5 hour day approx | <ul style="list-style-type: none">• Water Source from Rivers, Lakes or Water Tanks• 0.5 micron Carbon Block Filtration Ultraviolet Light (UV) Water Disinfection System• Control Panel: 24" long x 9" wide x 6" deep, 15 lbs.• Solar PV Panel: 47" L x 21" W x 2" D x 20 lbs.• Battery: 12 volt - 13"L x 7"W x 10"D x 75 lbs.• Battery /System Running Time = 3-4 hrs per day• Battery Charge Storage Life = 1+ Year• 10 ft Inlet and Outlet flexible hose connections |
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Cleaner and Safer Drinking Water

From Bore Holes or Tube Wells, Rivers, Lakes and Water Tanks

Aqua Sun manufactures the **Villager – S3 - 4** System. This system is a wall mount system and is completely automatic that can take its water from a river, lake, well, or holding tank systems and produce approx 3 gallons / 3.7 liters per minute x 60 minutes = 180 gallons / 666 liters per hour x 3 hours = 540 gallons / 1,998 liters in a 3 hour period. This system will use a solar / battery powered 12-volt system to supply its electrical power needs. Whenever the sun is shining, the solar system will always be recharging the battery, even when the water treatment system is working. This system comes as a turn-key package. It is designed for easy installation as all of the wiring is pre wired and plumbing is pre-plumbed 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 25 foot inlet female hose and 7 foot outlet male hose pre-plumbed into system. The Controller Panel will need to be located within 2 ft of the Water Treatment System preferably in between the 2 systems. The Battery Wire is prewired and will need to have the Positive (+) and Negative (-) wires connected to the battery. Mount the solar panel in a sunny location and within 25 feet of the system. Attach the solar wires to the panel that are already prewired into the control box. Install Filters and UV Lamp and the system is ready for operation. It is simple and easy to install the **Villager S3-4** Solar / Battery Powered Water Purification System.

This **Villager S3-4 / Solar Battery / 12-volt Powered Water Purification Systems** pulls the water from the source and through a **Washable / Reusable Sediment Filter** which removes large particles, sticks and leaves and then through **Sediment Filter** to remove the 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, Entamoeba and Toxoplasma 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.

Substitute water filters can be added to meet the primary needs such as Heavy Metals, Arsenic and / or Fluoride etc.

Life expectancy of the Washable / Reusable Pre-Filter depends upon how dirty incoming water is.

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 2 years.

We can design for your needs. We ship Worldwide.

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).**

WASHABLE / REUSABLE Pre-FILTER

Removes river and lake water particles such as leaves, twigs, sediment and protects the sediment pre-filter from premature clogging. This filter is easily washed and cleaned when clogged.

APPROXIMATE FILTER LIFE EXPECTANCY depends on how dirty incoming water is or 1 year maximum.

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 FILTER

Removes and reduces giardia lamblia and cryptosporidium cysts, entamoeba and toxoplasma cysts, volatile organic chemicals "VOC's" pesticides and herbicides, benzene, 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. **APPROXIMATE FILTER LIFE EXPECTANCY 45,000 gallons / 166,500 liters or one year of clean incoming water maximum.**

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 8000 hours, or approx 2 Years.

Standard Features:

- **Size;** Filters 25" long x 11" wide x 6" deep, 2 pieces
- **Size;** Control Panel 24" long x 9" wide x 6" deep. 15 lbs
- **Standard Operating Power;** Solar Electrical Producing Panel, Battery and Controls
 - **Ultraviolet Light;** 22 Watts / 1.89 amps per hour
 - **Self Priming Water Pump;** 5.0 amps max per hour depending on head
- **Weight Empty;** approx. 55 lbs. Shipping Weight, Not including Battery. Battery 75 lbs. Purchase in Country
- **Inlet Connection;** ¾ "Female Standard Hose Threaded Port / Swivel. 25 feet long
- **Outlet Connections;** ¾ "Male Standard Hose Threaded Ports. 7 feet long
- **Rated Water Pressure;** 20 PSI minimum / 65 PSI maximum
- **Ultraviolet Lamp Output;** 16,000 microwatt seconds per centimeter squared. 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 / UV Replacement Parts** available as kits and individually

Options:

- **U.S. Voltage;** 120 volt. 120 volt to 12 volt converter.
- **International Voltage;** 220 volt 50 Hz. Uses a 220 volt 50 Hz to a 120 volt Power Step Down Transformer then the above 120 volt to 12 volt converter.
- **Optional Lamp Out / Pump Disconnect: LO / PD**

Replacement Parts Kit:

Approx. water amount produced with Replacement Parts Kit = 180,000 gallons / 666,000 liters

Quantity: 4 - Washable / Reusable Debris Filter

4 - 5.0 micron Sediment Filters

4 - 0.5 micron Carbon Block Filters

1 - Ultraviolet Bulbs

System Includes:

Includes; Villager Complete S3-4 System, Solar Panel, All Prewired Wired, Replacement, Parts Kit Battery Not Included; Purchase in County due to weight and shipping complications.

Battery Specs on PDF file and can be emailed in advance after purchase.

Villager S3-4 System
Replacement Parts Kit
No Battery

Shipping Box Size: Can travel on a plane as luggage.

- Without Replacement Parts Kit; 1 box 34"x16" x 13" @ 30 lbs. 1 box 30" x 14" x 12" @ 20 lbs.
1 box 3" x 50" x 24" @ 25 lbs.
- With Replacement Parts Kit; add 1 box 26" x 13" x 8" long @ 40 Lbs

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

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