

SPS W6500-UF/HM/A



The SPS W6500-UF/HM/A is designed to support large scale Disaster Relief efforts or Humanitarian Assistance efforts. With a small 6ftX6ftX5ft footprint and a weight of approximately 2900 lbs this system is air, surface or trailer deliverable to a site. It is capable of filtering up to 6500 gallons of fresh water per day on solar energy depending on the weather conditions and solar isolation factor. The system comes with batteries for additional capability and operations when sunlight is limited. Battery recharging takes approximately 4-6 hours based on solar insolation factor. Additionally the system can utilize power inputs from wind turbines, generator sets, the sister power systems or an established power grid. Once placed the system is very simple to set up (usually within 20 minutes for 2 people) and has minimal O&M costs.

Features

- ✔ Filters up to 6,500 gallons a day at a rate of 4.5 GPM
- ✔ Up to 4 days of Operation Without Recharge
- ✔ Built in redundancy: Solar direct operation built in without batteries required (daytime only) for greater productivity
- ✔ Ultra Filtration Membrane Technology
- ✔ Charcoal Post Filtration: additional filtration and flavoring
- ✔ Onboard Disinfecting Chemical Injection System
- ✔ Supports well operations up to 150 feet
- ✔ Pressure drop auto kill switch-prevents running dry
- ✔ Automatic UF Backwashing
- ✔ Meets or exceeds NSF certification quality
- ✔ Flow Meter – To Detect Usage
- ✔ Pre & Post Pressure Gauges
- ✔ Retractable Service Platform
- ✔ Adjustable Solar Panel Angle
- ✔ High Volume Pleated Pre-Filtration
- ✔ All Corrosion resistant construction
- ✔ TDS Sensor-preset and customizable
- ✔ 24 Volt VAC Valves (Micro Processor Controlled)
- ✔ System Operational In Maintenance Configuration (no hose disconnect)
- ✔ Bore Hole well depths up to 450 ft with pump upgrade
- ✔ Multiple power source capable
 - Integrated Solar Power
 - Wind Turbine
 - Generator
 - AC Power (110-220)

FILTRATION SYSTEM SPECIFICATIONS	SPS W 30K UF
Membrane Size	4" x 40"
Production Rate	6,500 GPD
Electrical Voltage	110-120 VAC
Pre-Filter	Nano Log 3 filter
Post Filter	GAC w/1 CUFT Area
Unit Dimensions	37"Wx68"Dx30"H
Dry Wieght (lbs)	2900 LBS

OPERATING SPECIFICATIONS	
Minimum Feed Pressure	5 PSI
Operating Pressure	35 PSI
Max Hardness of water	20 Grains
Max Water Temperature	105°F
Max Chlorine (Continuous)	3 PPM
Max Total Dissolved Solids	3000 PPM
PH Range	4-11
Turbidity	250
Max Total Suspended Solids	600 PPM

Available Accessories

- ✔ Wind Turbines
- ✔ RO Filter Packs
- ✔ Heavy Metal Removal
- ✔ 3 & 6 KW Generator
- ✔ Water Storage Tanks With Optional Float Valve
- ✔ Spare Tanks For Other Performance Media (heavy metals)
- ✔ Deep Well Augmentation - Upgraded Feeder Pump

Consumables

- ✔ UF Membrane
- ✔ Feeder Pump Sock
- ✔ Pre-Filter
- ✔ Chlorine for Chemical Injector
- ✔ Post Filter