

Forever **Pure**[®]

Pure Water & Clean Energy

Large Scale Solar Oasis Systems

Complete solar-powered desalination systems
for large off-grid applications.



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Large Scale Solar Oasis System Overview



Solar Farm

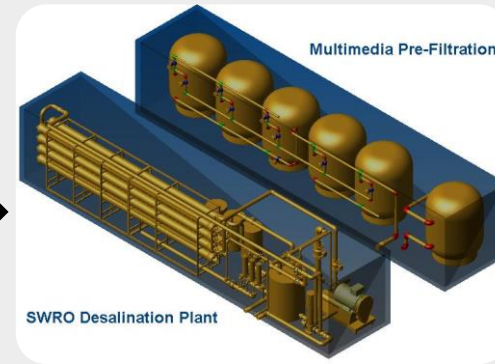


Hybrid Power Input from Grid

Containerized Battery Bank
with Hybrid Solar Inverter



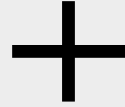
Containerized
Desalination System



Potable Water



System Input



The two sources of energy input to the system:

1. Solar farm installed near the beach
2. Hybrid power input from grid

This grid tie solar system generates clean energy from the sun. Electricity is drawn from the grid to make up for the shortfall when insufficient electricity is generated from solar and the batteries are not charged.

Containerized Battery Bank - Overview

The grid tie solar system feeds into the containerized battery bank with hybrid solar inverters.

The standard 10 foot shipping container combines energy storage, power conversion and a control system.



The container is insulated and comes with built-in HVAC.

Multiple containers can be connected together and operated as one.

Containerized Battery Bank - Features

- 1) Remote diagnostics, monitoring, controls and data logging
- 2) Modular architecture makes service repair easy
- 3) Hybrid solar inverters convert DC power supply from the solar array, grid and batteries to AC power to supply the loads
- 4) Turnkey system can be installed anywhere with minimal on-site expertise

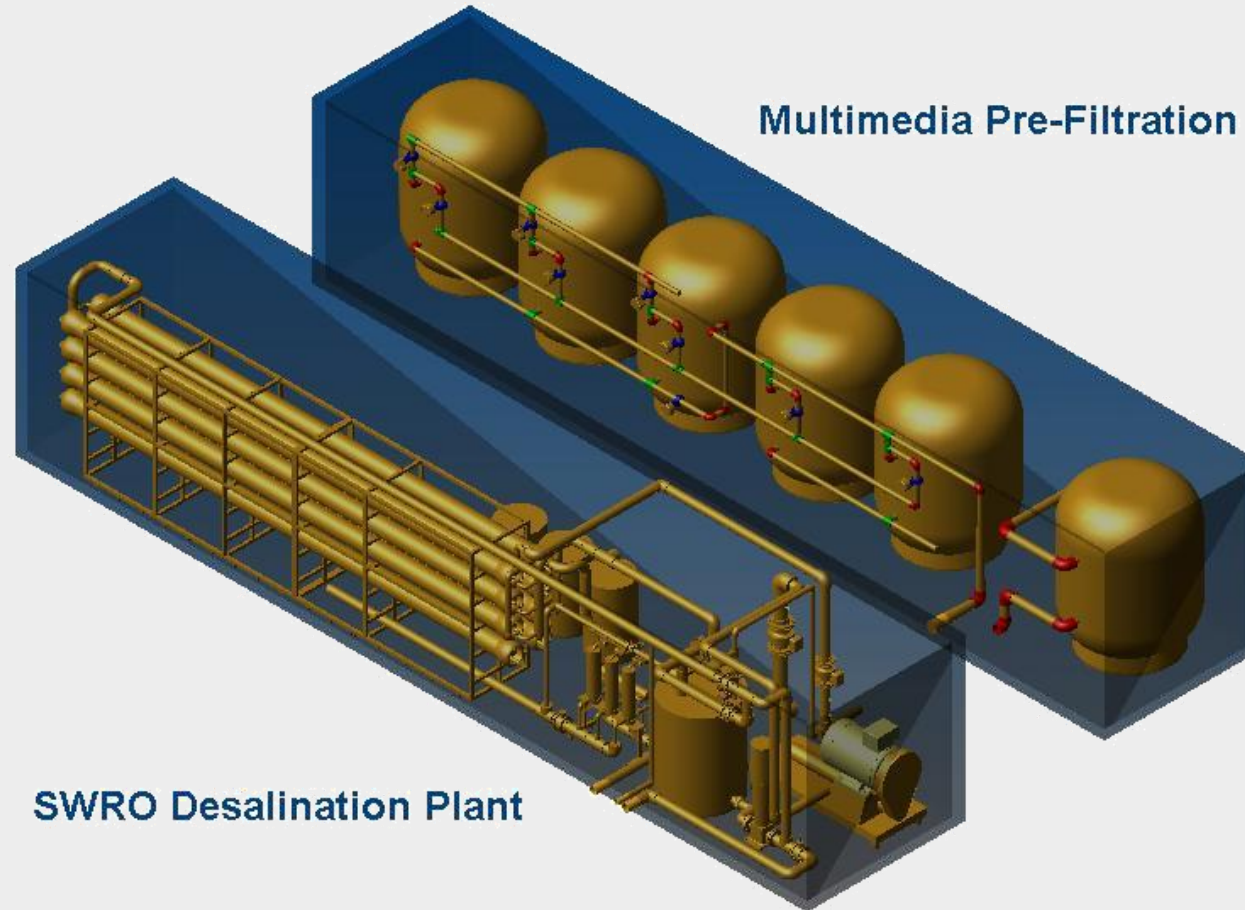
Advantages

- 1) Solar array is allowed to output maximum power where excess is stored in batteries
- 2) Excess energy can be stored during the day and used at night
- 3) Flexibility in following fluctuating load demand
- 4) Lower fuel consumption from generators and lower reliance on a fuel source
- 5) Reduced fuel consumption and grid input decreases overall operating cost
- 6) Production of cleaner energy

Containerized Desalination System - Overview

Simple, fully automatic operation

Container comes fully equipped with lighting, air conditioning, insulation, plumbing, electric conduit and comes fully tested before shipping.



Container is a 40' standard container with exterior weather-proof paint. Easy walk-in access for hassle-free service and maintenance.

Converts seawater and brackish water into fully potable water

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Containerized Desalination System - Detailed View



Containerized unit in the middle of the Nevada desert turning deep borehole brackish water into high quality water.



Full View of the reverse osmosis system that is mounted inside the container. The system is fully equipped with pre-treatment chemical dosing system, touch screen control, fully automatic PLC control, various meters and gauges, clean-in-place system and post treatment chemical dosing system.



Double pass seawater desalination system producing bottled water quality water from the ocean.

System Output and Summary



The large scale Solar Oasis system outputs **potable water** and **clean power**.



System includes:

- ✓ ForeverPure containerized desalination system
- ✓ ForeverPure Power containerized battery banks with hybrid solar inverters
- ✓ Solar farm installed near the beach
- ✓ Hybrid power input from grid
- ✓ Output is potable water and clean power

The modular battery banks with hybrid solar inverters and the desalination systems are mostly turnkey and ready to start upon site arrival. They can run in parallel to provide higher production rate. All systems can be configured and supplied to meet the specific need.

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We are committed to:

- Bringing clean drinking water to people around the world
- Promoting the widespread use of clean energy
- Improving global health
- Reducing water borne diseases
- Preserving our beautiful Earth



Everybody Deserves Clean Drinking Water

Please visit www.foreverpureplace.com for more information about our water purification technologies.