

SOLGEN & AQUA MOBILE SYSTEM

Water and energy are intricately connected and are key ingredients for human survival and development. In areas where power or potable water is not readily available due to lack of infrastructure, natural disaster, or climate change, Gloren Energy Solgen Aqua Mobile System (SAMS) can provide renewable energy and potable water quickly and can be dispatched and deployed worldwide.

SAMS is a solar generator that produce clean and reliable electricity from 3 to 10 KW and potable water from 5000 to 50,000 GPD from any brackish water source. The system comes complete and ready to deploy with minimal field installation. Depending on solar radiation and/or wind energy it can run up to 24 hours a day without relying on fossil fuel supply. The system is complete with feed pump, automatic back flushing filtration system, high efficiency brine stream energy recovery system, batteries, solar panels, optional wind turbine and controls. An efficient Reverse Osmosis system that removes dissolved solids (i.e. salt, and inorganic contamination) as well as viruses and bacteria.

SAMS is ideal for mobile and stationary use such as:

Hotels, resorts and construction campgrounds, relief work and other emergency water uses, military facility, hospitals, mining sites, fracking operations and other industrial use or remote sites where power is not available.



SAMS Water Treatment Specifications

Product Capacity	26,500	53,000
Housing Dimensions (L x W x H) ft.	40x7.67x8.83	40x7.67x8.83
RO Pressure Vessel	(2) 5 elements	(4) 5 elements
Membrane Element Size (DXL) (in.)	8x40	8x40
Power Consumption	(HP) 20	35
Raw Water Source	Lake, River, Well, Borehole, Seawater	
Contamination	Organic and inorganic contamination, salinity up to TDS 40000 mg/l	

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ADDITIONAL PRODUCTS:

SolGen Alpha : Container-based renewable energy system designed to function in both on-grid and off-grid applications and can produce up to 10kW of solar energy on an 8 ft x 40 ft footprint with battery backup sized to suit



SolGen Mini: Renewable energy system built on a standard military or commercial trailer and can produce up to 1kW of solar energy.



SolGen II: Portable lightweight solar generator, uses mono-crystalline panels and lithium batteries, which offer light weight, high density energy storage and long service life. Out put DC and 100 to 240 VAC which makes it able to power various small AC electrical equipment. The unit



Gloren Energy



Renewable Power for Life

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