



salgenx-saltwater-flow-battery-products

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Salgenx

Products



Structured Data

This webpage QR code

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SaltWater Flow Battery Products by Salgenx and Infinity Turbine. Our new cathode materials can do the following: Self-healing electrode, Self-optimizing material, While charging, the system will automatically enhance itself and build conductivity. This system is revolutionary, and the only type of battery that can accomplish these tasks automatically while in use.

PDF Version of the webpage (first pages)

<https://salgenx.com/salgenx-saltwater-flow-battery-products.html>

Salgenx Redox Flow Battery Technology Report

Salgenx, a renowned provider of innovative energy solutions, has recently unveiled its highly anticipated Salt Water Redox Flow Battery Technology Report.

Find out how this technology has been around for 100 years.

See why the US Military spent \$7 million to verify the technology.

Find out why the Pacific Northwest Laboratory did experiments to prove the technology.

This comprehensive report takes a deep dive into the dynamics of grid-scale flow batteries, shedding light on crucial aspects such as economics, efficiency, and deployment strategies.

With insights derived from extensive research and engineering expertise, the report offers valuable recommendations for optimizing financial viability, enhancing energy conversion efficiency, and successful deployment.

This groundbreaking resource is expected to revolutionize the understanding and adoption of grid-scale flow batteries, driving advancements in energy storage and accelerating the transition to a sustainable future.

Learn how to build a demo cell that you can test and use.

The Salt Water Redox Flow Battery Technology Report is now available for purchase on the Salgenx website, positioning it as an essential read for industry professionals, investors, and stakeholders seeking reliable, efficient, and eco-friendly energy storage solutions.

- Includes basic information on NTP and Vermiculite when used for cathode materials.

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Salgenx Lift Pump System

The Salgenx Lift Pump System is designed to pump saltwater and viscous fluids. It can handle semi-solid and solid materials as well, such as flocculants and even slurry mixtures like concrete.

For the saltwater flow battery application, it has piping and fixtures which are electrolyte material compliant to resist corrosion from environmental conditions from saltwater. Each bulk liquid electrolyte tank has a pump.

Salgenx SAMx 250 kWh Salt Water Array Battery System

250 kWh Completed Battery System.

Uses IBC (Intermediate bulk containers are DOT/UN approved containers)

48V (other voltages and configurations available)

Upgrade to over 1 MWh

This is a bi-lateral battery system which allows storing and discharge simultaneously.

In Stock: Custom order.

Order Time For More: 6-12 months.

Shipping: To any USA lower 48 location.

Order Now: Shipping within 3 days of in-stock.

Support: Support is an additional option.

Note: This is basic battery only. 25 kW electrolyzer stack. That means slow charging and maximum 25 kW discharge rate. Does not include charge controller or inverter. Customers have been asking for a bare basic system at a low price.

Salgenx SAMx Flow Battery:

250 kWh: Tax Credit $\$35 \times 250 \text{ kW} = \$9,155$ per unit sold

1000 kWh: Tax Credit $\$35 \times 1000 \text{ kW} = \$35,000$ per unit sold

Includes:

(2) IBC Stainless Steel Tank Containers with Command and Control Array Cart.

You supply water, salt, off-the-shelf counter electrolyte.

Current build time from authorized licensed manufacturer: 6-12 months.

Salgenx S3000 3 MWhr Completed Battery Pack System 48V

3,000 kW Completed Battery System.

48V (other voltages and configurations available)

Salgenx S3000 (3,000 kW) Commercial Flow Battery:

Tax Credit $\$35 \times 3,000 \text{ kW} = \$105,000$ per unit sold

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

Current build time from authorized licensed manufacturer: 6-12 months.

Salgenx S6000 6 MWhr Completed Battery Pack System 48V

6,000 kW Completed Battery System .
48V (other voltages and configurations available)

Salgenx S6000 (6,000 kW) Commercial Flow Battery:

Tax Credit $\$35 \times 6,000 \text{ kW} = \$210,000$ per unit sold

Utility Scale Flow Battery Bank:

$\$35 \times 6,000 \text{ kW} \times 100 = \$21,000,000$

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

Current build time from authorized licensed manufacturer: 6-12 months.

Salgenx S12MW 12 MWhr Completed Battery Pack System 48V

12,000 kW Completed Battery System .

48V (other voltages and configurations available)

Salgenx S12MW Commercial Flow Battery:

Tax Credit $\$35 \times 12,000 \text{ kW} = \$420,000$ per unit sold

Optional: Charge controller and inverter

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

Current build time from authorized licensed manufacturer: 6-12 months.

Salgenx S18MW 18 MWhr Completed Battery Pack System 48V

18,000 kW Completed Battery System .

48V (other voltages and configurations available)

Salgenx S18MW Commercial Flow Battery:

Tax Credit $\$35 \times 18,000 \text{ kW} = \$630,000$ per unit sold

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

Current build time from authorized licensed manufacturer: 6-12 months.

Salgenx SGW 1 GigaWhr Completed Battery Pack System 48V

1,000,000 kW Completed Battery System .

48V (other voltages and configurations available)

Salgenx SGW Commercial Flow Battery:

Tax Credit $\$35 \times 1,000,000 \text{ kW} = \$35 \text{ million per GW order.}$

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

334 sets of containers = 668 TEU (20 ft liquid bulk shipping containers) for the electrolytes and 334 of 40 ft high cube shipping containers for the electrolyzers. This is about 6 percent of a typical container ship haul.

Salgenx S15GW 15 GigaWahr Completed Battery Pack System 48V

15,000,000 kW Completed Battery System .

48V (other voltages and configurations available)

Salgenx SGW Commercial Flow Battery:

Tax Credit $\$35 \times 1,000,000 \text{ kW} = \525 million per S15GW order.

Includes:

Tank Containers with Command and Control Container.

-or-

Over the road tankers and Command and Control Van.

You supply water, salt, off-the-shelf counter electrolyte.

10,020 TEU (20 ft liquid bulk shipping containers) for the electrolytes and 5,010 of 40 ft high cube shipping containers for the electrolyzers (about 10,020 TEUs) . This is about 100 percent of a typical container ship haul of 20,000 containers.

