



Salgenx

products

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+1 608-238-6001 (Chicago [TEL]

greg@salgenx.com [Email]

Products



This webpage QR code

Structured Data

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SaltWater Flow Battery Products by Salgenx and Infinity Turbine.

PDF Version of the webpage (first pages)

1/13/2024

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 \$5 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.

Please email for pricing.

Modular Block Electrolyzers Provide Core Processing for the Grid-Scale Salgenx Saltwater Flow Battery

Salgenx, a division of Infinity Turbine LLC, is proud to announce the launch of its groundbreaking saltwater flow battery that leverages the power of electrolyzers for energy storage and discharge. This innovative energy storage solution has been made possible through the utilization of stackable modular blocks, a novel method of fabrication that promises to reshape the energy storage industry.

Salgenx Lift Pump System License

The Salgenx Lift Pump System is design to pump saltwater and viscous fluids.

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 will have a pump.

This Lift Pump System is **included** with the standard Salgenx Saltwater License below.

This pump is also available as a stand-alone license.

License Fee: Contact Salgenx

-unlimited manufacturing

-early adopter bonuses

License to Manufacture and Sell

Licensing is now available for the saltwater battery technology. This system has two electrolyte tanks, one of which is salt water (brine). It does not have, nor use a membrane.

This license and guidance provided, allows you to de-risk the deployment as you are the first into the commercial marketplace. We are your subject matter experts for saltwater flow batteries. We work together with your team to enhance your core for your customer needs.

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.

Price: On request.

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)

Price: On request.

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)

Price: On request.

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)

Price: On request.

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)

Price: On request.

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.
