



salgenx-saltwater-flow-battery-grid-scale-energy-shop

7/26/2024

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Salgenx

Salgenx Energy Storage Systems



This webpage QR code

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PDF Version of the webpage (first pages)

<https://salgenx.com/salgenx-saltwater-flow-battery-grid-scale-energy-shop.html>

Salgenx Experimental Saltwater Battery Cell Demo Cart

This hi-tech experimental cart is for those who wish to develop, test, prove, or show flow battery cell technology.

Includes Zinc, NTP, and Vermiculite cathode materials.

Front Side of Cart: provides two large flatscreens which are driven by a Filemaker database which captures data from a wide array of sensors, video cameras, and FLIR to help collect and interpret data from your concept to help raise the TRL to deployment. The entire system is computer controlled and can be monitored or controlled by a iOS device or Mac/Windows computer.

Some Application Experiments (configured by buyer who must acquire additional parts and materials):

- Saltwater flow battery (one cell)
- Desalination
- Making Graphene
- Cogeneration (thermal storage and heat pump applications)
- Lithium Extraction Process (adsorption using off-the-shelf resins)
- Magnetohydrodynamic Drive in Saltwater Flow Batteries for In-Situ Flow Enhancement

Back Side of Cart: the mechanics of the cell and flow system are available for configuration and sensors. This allows your team of lead scientists to work together with the mechanical crew simultaneously to get your experiments started quickly. Using our modular blocks (NSF termed Industrial Legos), multi-channel flows can simultaneously be configured to save time, space, and plumbing.

The entire cart is compact enough to fit through any standard USA hallway, elevator, or doorway with 5 inch swivel casters for ease in mobility. The entire cart is made from our bolt-together caster beams which allows easy reconfiguration if needed.

If you are looking for a time-savings mini-lab-on-a-cart, this is your dream. It will save you months or up to a year of time.

Please call or email for pricing.

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Salgenx Lab and Developer Research Notes

In order to raise funding for continued development and building a prototype, we are offering our research notes available to qualified groups.

These research notes (available in Filemaker database and PDF) cover our extensive development from NTP to Vermiculite cathode materials for the saltwater flow battery.

More than 400 pages of information (25 mb) in this one document, along with lists of publications and references which are separate.

Please contact us for pricing.

Salgenx 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.

Please email for pricing.

Salgenx S3000 3 MWhr Completed Battery Pack System 48V

Description: 3,000 kWh Completed Battery System.

48-480V (other voltages and configurations available)

Measurements: 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.

Price: After 6 units \$900,000

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.

Salgenx S6000 6 MWhr Completed Battery Pack System 48V

Description: 6,000 kWh Completed Battery System.
48-480V (other voltages and configurations available)

Measurements: 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.

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Salgenx S12MW 12 MWhr Completed Battery Pack System 48V

Description: 12,000 kWh Completed Battery System.

48-480V (other voltages and configurations available)

Measurements: 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.

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Salgenx S18MW 18 MWhr Completed Battery Pack System 48V

Description: 18,000 kWh Completed Battery System.

48-480V (other voltages and configurations available)

Measurements: 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.

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Salgenx SGW 1 GigaWahr 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.

