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salgenx-vs-tesla-megapack

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Salgenx

Salgenx Saltwater Flow Battery Versus Tesla MegaPack Simulation



This webpage QR code

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Salgenx Saltwater Flow Battery Versus Tesla MegaPack Simulation

PDF Version of the webpage (first pages)

<https://salgenx.com/salgenx-vs-tesla-megapack.html>

Comparison Between Salgenx Saltwater Battery and Tesla Lithium Grid-Scale Battery

Financial Performance

- The gross profit from Tesla's energy storage sales is near \$1.2 billion, showcasing a substantial increase in profitability due to the ramping volumes of Megapack deployments.

Comparison Between Salgenx Saltwater Battery and Tesla Lithium Grid-Scale Battery

Tesla Lithium Grid-Scale Battery

Market Growth and Capacity

- Tesla has shown rapid growth in energy storage deployments over the past few years. The data illustrates a consistent increase in capacity, doubling or even tripling every year.
- This year, Tesla is on track to deploy 40 GWh of energy storage capacity, indicating a significant expansion with much more room for future growth.

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Salgenx Saltwater Battery

Cost and Versatility

- The Salgenx saltwater battery is a competitive alternative to Tesla's lithium batteries, offering the same MWh storage capacity but at a lower cost.
- The versatility of Salgenx batteries sets them apart, as they can perform multiple functions beyond energy storage:
 1. Thermal Energy Storage (TES): Capable of liquid heat or cold storage.
 2. Desalination: Can be used for desalination processes.
 3. Graphene Production: Has the capability to produce graphene.
 4. EDM Machining: Can perform Electrical Discharge Machining (EDM) while charging.
 5. Tax Credits: Eligible for USA tax credits for battery manufacturing and energy storage, which further reduces the overall cost.

Conclusion

- While Tesla's lithium grid-scale batteries are leading the market with rapid sales growth and significant profitability, Salgenx's saltwater batteries offer a compelling alternative with additional functionalities and lower costs.
- Tesla's current market dominance is evident with their ambitious deployment targets and high gross profits. However, the unique features and cost advantages of Salgenx's batteries position them as a strong competitor in the grid-scale battery market.

This comparison highlights the strengths and opportunities of both technologies, showing how Salgenx could potentially disrupt the market with its multi-functional and cost-effective energy storage solutions.

Tesla Energy Storage Deployments.

See chart.

Note: Salgenx has about 1,200 potential orders from interested parties. Representing 3,600 GW of deployment and about \$1,800,000,000 in potential sales with each 3,000 kWh battery priced at \$1,500,000 (far below same size Tesla Megapack).

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