

What is sionic energy?

Sionic Energy has unlocked the potential of low-cost lithium-silicon batteries with breakthrough silicon anode and electrolyte technology that's ready for commercialization and drop-in manufacturing.

What is a sionic energy battery?

Sionic Energy battery's performance relies on a patented silicon-carbon composite, named SCC55, developed by Group14 Technologies. The company claims their batteries deliver at least 330 watt-hours per kilogram (Wh/kg) and 842 watt-hours per liter (Wh/L), with a lifespan of up to 1,200 cycles. They are tested in 4Ah to 10Ah cell formats.

What is sionic's silicon battery platform?

“Designed for seamless integration into existing lithium-ion battery manufacturing processes, Sionic's Silicon Battery Platform maximizes silicon material performance with regard to energy density, extended cycle life, and rapid charge rates,” said the firm in a statement.

What is sionic's future?

Sionic intends to license its technology and intellectual property, with consumer electronics and eVOTL aviation expected to be the first applications. US startup unveils silicon anode batteries with 50% higher energy density, 1,200 cycle life, and 10-minute EV charging, using SCC55 material.

Is sionic energy ready for commercialization in 2022?

With Williams at the helm, Sionic Energy is on track to have its battery design ready for production and commercialization in light aviation (drones) and consumer electronics sectors by late 2022.

Will sionic energy be able to develop a complete lithium ion battery?

Partnering with leading automotive, mobile device, battery, and chemical manufacturing companies, on those products, Sionic Energy is well positioned in the market for rapid introduction of its complete lithium ion battery technology with expected volume production of the design by the end of 2022.

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Sionic Energy's breakthrough silicon anode and electrolyte additives unlock the energy density potential of lithium-ion batteries. We have engineered a way to control silicon expansion with our anode design and have limited expansion to ...

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Sionic energy Angola

watt-hours per kilogram ...

Sionic Energy, formerly known as NOHMs Technologies, has designed a silicon anode that it says will provide 50 percent more energy density and 30 percent lower cost than conventionally available lithium-ion battery ...

Sionic Energy is a manufacturer of lithium-ion batteries with a focus on providing chemistry and materials that guarantee durable, secure, and environmentally friendly lithium-ion batteries. The startup's batteries are made with a non ...

Ed is the President & CEO of Sionic, leading the company's overall strategy, product commercialization, growth, and equity strategies. Joining the Company in 2020, he comes to Sionic with extensive leadership experience developing ...

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