

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 does sionic energy do?

A member of the Sionic Energy team holds one of the company's silicon battery cells, which deliver up to 50% greater energy density, 30% lower cost, and increased safety, and can be integrated into cylindrical, pouch, or prismatic cell formats in existing cell production supply chains and infrastructure. (Photo: Business Wire)

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.

What is a sionic battery cell?

Sionic's silicon battery cell designs incorporate the company's complete technology innovations that deliver up to 50% greater energy density, 30% lower cost, and increased safety, and can be integrated into cylindrical, pouch, or prismatic cell formats in existing cell production supply chains and infrastructure.

What is sionic energy's licensing model?

Based on the ease of integration into existing battery production, supply chains, and products, Sionic Energy has created a licensing model for its battery technology to accelerate and broaden adoption by major commercial markets. Production-scale prototype cells will be available in Q4 this year for customer evaluations and testing.

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.

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5 ???· Sionic Energy today announced a robust battery that replaces graphite entirely, with a 100 percent silicon anode--versus the roughly five to ten percent portion found in some ...

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Sionic Energy's market-ready, lithium-silicon battery blends two unique technologies into its battery cell design: a breakthrough, high-capacity silicon anode and our advanced electrolyte additives that optimize anode and cathode performance.

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Sionic Energy's breakthrough lithium-ion battery design is ready for rapid commercialization with backing from global automotive and battery industry leaders.

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Sionic energy Guinea

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