



# Factorial energy solid state battery

"Factorial continues to drive the battery industry forward and this milestone is no exception," said Joe Taylor, the executive chairman of Factorial who previously served as the head of Panasonic Corporation of North America. "Automaker demand for American made batteries is high to produce electric or hybrid vehicles that qualify for incentives.

WOBURN, Mass. and LONDON, April 20, 2021 /PRNewswire/ -- Factorial Energy ("Factorial"), the breakthrough solid-state battery technology company, announced today its emergence from stealth mode to ...

Factorial 40 Amp-hour Battery. Factorial Energy has raised \$200 million to accelerate commercial production of its solid-state battery technology that is safer and offers up to 50 percent greater ...

Factorial Energy is an innovative battery technology company based in Woburn, Massachusetts, dedicated to advancing solid-state battery technology. Specializing in the development of high-performance FES<sup>®</sup> batteries, Factorial Energy is addressing critical challenges in the energy storage industry, including enhancing energy density, improving ...

AMSTERDAM - Stellantis N.V. (NYSE / MTA / Euronext Paris: STLA) and Factorial Energy (Factorial) announced today the signing of a joint development agreement to advance Factorial's high-voltage traction solid-state battery technology. The agreement also includes a strategic investment from Stellantis. "Our investment in Factorial and other highly ...

Factorial's solid-state solutions redefine e-mobility and enhance battery performance, sustainability, and safety. Factorial's batteries enables a clean energy source for EVs, homes, and businesses.

How Solid-State Batteries Will Fuel America's Desire For Bigger, Better EVs. March 7, 2024; ... CEO and Cofounder of Factorial Energy. This article was originally published on Forbes. The American electric vehicle (EV) sector is undergoing a significant transformation. Recent trends indicate concerns about a potential slowdown in EV adoption ...

WOBURN, Mass., Jan. 20, 2022 (GLOBE NEWSWIRE) -- Factorial Energy (Factorial) has raised \$200 million as part of a Series D round of funding that was led by Mercedes-Benz (DAI) and Stellantis N.V. (NYSE / MTA / Euronext Paris: STLA).

Doing the work for a better tomorrow. Copyright © 2024 Factorial Inc, All Rights Reserved. Factorial Energy delivers high-performing, safe, purpose-driven, solid-state batteries, powering life to the fullest. We're saving the planet one step at a time

Founded and headquartered in the United States, Factorial Energy is developing breakthrough solid-state



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batteries that offer longer range per charge and increased safety and aim to be...

Factorial Energy got into the solid-state battery race with a 40 Ah cell and names like Dieter Zetsche and Mark Fields. QuantumScape and Solid Power are the most famous names in the solid-state ...

Solid-state battery developer Factorial Energy and LG Chem have announced a deal on new battery materials. They will also consider licensing of solid-state battery technologies and material supplies at a later date. Both companies to want lead the way in the commercialisation of solid-state batteries.

Factorial will supply Stellantis with cells based on its proprietary FES<sup>TM</sup>; solid-state battery technology, which enables a specific energy density of over 390 Wh/kg. Factorial's FES<sup>TM</sup>; offers substantial advantages over traditional lithium-ion batteries including higher energy density, reduced weight, improved performance and a potential for ...

Based in Woburn, Massachusetts, Factorial Energy has developed breakthrough solid-state batteries that offer up to 50 percent longer range per charge, increased safety, and cost competitiveness ...

The US battery developer Factorial Energy is presenting a solid-state battery that is being developed in collaboration with Mercedes-Benz. The product should be ready for the market by the end of the decade. Mercedes is acting as a development partner and key customer in the cooperation.

Factorial Energy Co-founder and CEO Siyu Huang holds the company's 40 amp hour solid-state battery. Factorial Energy Co-founder and CEO Siyu Huang holds the company's 40 amp hour solid-state battery.

Factorial Energy has raised \$200 million to accelerate commercial production of its solid-state battery technology that is safer and offers up to 50 percent greater driving range ...

Factorial's proprietary FES solid-state battery technology offers an energy density of over 390Wh/kg, significantly improving traditional lithium-ion batteries. The higher energy density, combined with reduced weight, improved performance and the potential for lower costs over time, makes it an ideal candidate for powering the next generation ...

Factorial Energy has invested heavily in solid-state battery and chemistry research over the past 6 years to create its proprietary Factorial Electrolyte System Technology, which it...

In 2023, significant achievements in solid-state battery technology included Factorial's successful production of 100Ah quasi-solid-state battery cells, which passed UN 38.3 testing for safe shipment to customers. These accomplishments demonstrate both the feasibility of the technology and its scalability for larger production volumes.

The American electric vehicle (EV) sector is undergoing a significant transformation. Recent trends indicate

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concerns about a potential slowdown in EV adoption, but the reality is quite the opposite.

About Factorial Energy Based in Woburn, Massachusetts, Factorial Energy has developed breakthrough solid-state batteries that offer up to 50 percent longer range per charge, increased safety, and ...

Factorial, a start-up that develops the next generation of solid-state batteries, showed a prototype of its new 100 Amp-hour (Ah) cells at the 2023 Consumers Electronics Show (CES) in Las Vegas.

Solid-state battery developer Factorial Energy announced it has begun operations at its new state-of-the-art facility in Massachusetts. The new facility serves as a key milestone as Factorial looks to scale its solid-state technology for EV implementations.

About Factorial Inc. Founded and headquartered in the United States, Factorial Energy is developing breakthrough solid-state batteries that offer longer range per charge and increased safety and ...

Factorial has manufactured thousands of large-format solid-state batteries and shipped over 1,000 100+Ah solid-state battery cells to Mercedes-Benz as part of the A-sample phase, highlighting its ...

Mercedes-Benz and U.S. battery startup Factorial are working on a solid-state battery that should dramatically increase electric vehicle range and be ready for production by the end of the decade ...

In April 2021, the company, based in Woburn, Massachusetts, presented a 40 Ah cell with solid electrolyte, supposed to help electric cars increase their range by 20 to 50 per cent. Factorial Energy published the results of the initial test runs in July 2021. According to the report, a capacity retention rate of 97.3 per cent was achieved after 675 cycles for a 40 Ah cell ...

This month, it sent out its first round of B-samples to Mercedes-Benz for further testing and development. Factorial first revealed its 100-Ah solid-state cell at CES 2023 in collaboration with Stellantis, advancing on from the smaller cells it had shown previously.

Developed in partnership with Mercedes-Benz, Factorial's all-solid-state battery Solstice(TM) achieves a high energy density that can extend EV range up to 80% and unlocks a ...

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