



New energy storage all-solid-state battery





Overview

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Donut Labs and partner Verge Motorcycles claim they've got the world's first all-solid-state battery in a production vehicle, with many more to come. Solid-state battery technology is something of a holy grail for electric vehicle engineers. Your next electric vehicle could be cheaper, safer and a.

Now Donut Lab is proud to introduce the world's first solid-state battery that is ready for use in OEM vehicle manufacturing. Donut Lab solid-state batteries will be placed immediately on the road, powering Verge Motorcycles' current lineup, including the Verge TS Pro and Ultra. "While the.

A new partnership in battery manufacturing could help push electric vehicles closer to a long-promised breakthrough — and make EVs more practical, affordable, and appealing for everyday drivers. Electrek reported that U.S.-based Factorial Energy and South Korea's POSCO announced a collaboration at.

Finnish technology company Donut Lab has unveiled a solid-state battery that is now available for OEM use and will be deployed in all 2026 models of Verge Motorcycles' motorcycles starting from the first quarter of 2026. The solid-state battery can be charged in five minutes. Initially founded as a.

This battery type replaces the liquid inside a normal lithium-ion battery with a solid material. This makes batteries safer, more powerful, and more durable. A new variation uses silver in the battery. Silver improves performance and may play a major role in the future of electric vehicles (EVs).

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(above 25 Ah) all-solid-state sodium-ion battery cell achieved an energy density of 348.5 Wh/kg, certified by the China Automotive Technology and Research Center. The battery utilizes a "high-specific-energy layered oxide.



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[Lonnie Johnson's \\$75M Battery Bet: EVs That Go Twice As Far](#)

The inventor behind a revolutionary energy technology breakthrough: A true all solid-state battery that is safer, cheaper, and more powerful than today's standards.

[BMW tests all-solid-state battery for extended ...](#)

BMW is testing large-format all-solid-state batteries from Solid Power in its i7 to unlock higher energy density and longer EV range.



[New Battery Technologies That Will Change the Future](#)

Conclusion As battery technology continues to advance, we are beginning to see better types of batteries. These new generation batteries are safer, with high energy density, and longer ...

[ProLogium Marks 20th Anniversary at CES 2026. Unveils ...](#)

ProLogium, a global leader in next-generation lithium ceramic battery technology, marks its 20th anniversary by unveiling at CES 2026 its proprietary "Superfluidized All ...



[What is Solid State Battery and How It Will Revolutionize Energy](#)

Discover the transformative world of solid-state batteries in our latest article. Explore how this cutting-edge technology enhances energy storage with benefits like longer ...

[BMW hits major solid-state battery milestone](#)

This week already brought us a camper loaded with solid-state battery power, and now we have a luxury EV ...



[Verge Motorcycles switches to in-house solid-state batteries](#)

Verge Motorcycles switches to in-house solid-state batteries Finnish technology company Donut Lab has unveiled a solid-state battery that is now available for OEM use and ...



[Next-gen solid-state EV battery breakthrough promises 50](#)

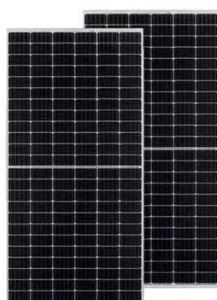


A new study reveals how machine learning is speeding up solid-state battery development, critical for EVs to gain 50% more range.



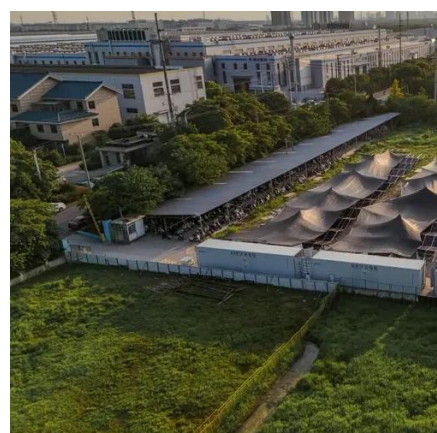
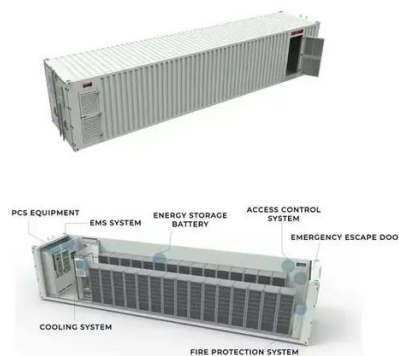
[Latest Developments in Solid-State Battery Technology: A 2025 ...](#)

Solid-state batteries (SSBs) are frequently hailed as the future of energy storage. They promise significant improvements over conventional lithium-ion batteries in key areas ...



[Energy Density Breaks 348.5 Wh/kg! Zhaona New Energy's Solid-State](#)

On December 31, 2025, Sodium Technology announced that its large-format (above 25 Ah) all-solid-state sodium-ion battery cell achieved an energy density of 348.5 Wh/kg, ...



[The First Production All-Solid-State Battery Is Here. And It ...](#)

Donut Lab claims it has created the world's first production-ready all-solid-state battery. The liquid-less cell boasts almost double the energy density of a typical Tesla battery. ...

[Energy Storage Beyond Lithium-Ion: Future Energy Storage and ...](#)



Energy storage beyond lithium ion explores solid-state, sodium-ion, and flow batteries, shaping next-gen energy storage for EVs, grids, and future power systems.



[New solid-state sodium batteries enable lower cost ...](#)

New solid-state sodium batteries enable lower cost and more sustainable energy storage battery storage energy sodium engineered ...

[Solid-state batteries promise faster charging, ...](#)

Solid-state batteries charge in a fraction of the time, run cooler, and pack more energy into less space than traditional lithium-ion versions.



[Energy Density Breaks 348.5 Wh/kg! Zhaona New Energy's Solid ...](#)

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[Companies announce major partnership to revolutionize EVs with ...](#)



A new partnership in battery manufacturing could help push electric vehicles closer to a long-promised breakthrough -- and make EVs more practical, affordable, and appealing for ...



[The First Production All-Solid-State Battery Is Here. And It ...](#)

Donut Lab claims it has created the world's first production-ready all-solid-state battery. The liquid-less cell boasts almost double the energy density of a typical Tesla battery. Charging

[DONUT LAB INTRODUCES THE FUTURE OF ...](#)

Donut Lab's all-solid-state battery delivers 400 Wh/kg of energy density, enabling longer range, lighter structures, and unprecedented flexibility in vehicle and product design.



[Elon Musk Announces All-New Solid State Battery ...](#)

Tesla's new solid-state battery, slated for release in 2026, is expected to feature incredible energy densities, faster charging times, and ...

[Silver Solid-State Batteries: Future of EVs and Energy Storage?](#)



Silver solid-state batteries are a promising step in energy storage. They combine safety, high energy density, and the electrical benefits of silver. EVs with these batteries could ...



[Elon Musk Announces All-New Solid State Battery For Tesla 2026](#)

Tesla's new solid-state battery, slated for release in 2026, is expected to feature incredible energy densities, faster charging times, and a significantly improved safety profile.

Solid-state battery

Solid-state batteries can use metallic lithium for the anode and oxides or sulfides for the cathode, thereby enhancing energy density. The solid electrolyte acts as an ideal separator that allows ...





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