



# Which company owns the solid-state battery

By making EVs more practical and efficient, solid-state battery technology has the potential to reshape the landscape of a sustainable future. UPDATE: 2024/04/05 13:00 EST BY ANIEBIET INYANG NTUI

There's a new solid-state battery innovator aiming to make a mark on the fast-growing industry. Schaeffler, an automotive and industrial parts maker (mostly bearings), showed up to a Las Vegas tech showcase in January as an electric vehicle battery outsider with a unique prototype being hyped by a company official as the next ...

Another great development! The greatest (and the only actually) battery expert in the board of PowerCo, a company that is yet to produce its first in-house batteries, (edit: they are yet to produce ...

Yoshino adheres to the commonly accepted scientific definition that a solid-state battery is one that uses a solid electrolyte in place of liquid or gel ... -NCM batteries with an Inorganic Polymer Composite electrolyte that is recognized by the scientific community as "solid-state". Yoshino is the only company offering commercially ...

Expectations are high for a new solid state battery from Adden Energy, based on technology developed at Harvard University. ... and the company also nailed down a seed round financing of \$5.15 ...

"The Time is Now"; New Technological Structure Opens a New Chapter in the Battery Industry On January 23rd, ProLogium Technology, a global leader in solid-state battery innovation, inaugurated its Taoke factory, marking a significant milestone in the battery industry. The event, attended by esteemed guests including Chief Secretary of ...

Toyota (NYSE: TM) has heavily invested in solid-state battery technology, which can provide a big boost to the company's electric vehicle ambitions. The Japanese ...

BYK Chemie is a German chemical company and a subsidiary of Altana. It provides chemical additives for coatings, plastics, etc. Its patent on solid-state batteries is co-filed with Toyota and relates to an all-solid-state battery comprising a dispersant-containing layer with good solid electrolyte dispersibility.

The top solid-state battery patent holder ranking has some surprising entrants and only one actual battery manufacturer. Toyota, which plans to have a mass produced EV with solid-state battery on ...

Toyota currently owns more solid-state battery patents than any company in the ... is coming sooner than expected and that the company is building a \$2 billion manufacturing and battery plant in ...

With a solid-state battery, ... This technology is the ultimate key to unlocking the full potential of solid-state batteries. And one small company is leading the way with this game-changing tech ...



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Its ten patent families are related to solid-state battery cells with undefined solid electrolytes. Liwei Energy Technology is a battery manufacturer founded in 2020. Its patent family on solid-state batteries ...

Source: josefkubes / Shutterstock . Toyota (NYSE:TM) has heavily invested in solid-state battery technology, which can provide a big boost to the company's electric vehicle ambitions.The ...

U.S. battery manufacturer Yoshino Technology has developed solid-state lithium-ion batteries with outputs ranging from 330 W to 4,000 W. They are designed for home backup, off-grid applications, and powering small industrial machinery. The system can be used in combination with solar panels.

The built-in solid-state lithium battery remains stable at 302°F/150°C and provides stable power output at -0.4°F/-18°C. Compared to the 500 lifecycles of conventional lithium batteries, Yoshino's batteries achieve an outstanding 4000+ lifecycles, allowing for up to 10 years of outdoor use.

The company, Vanadis Power, told NPR it initially planned to continue making the batteries in China and then would set up a factory in Germany, eventually hoping to manufacture in the U.S., said ...

Solid Power, spun out of a research venture at the University of Colorado in Boulder, is producing the material for its solid state battery cells in a new, 75,000-square-foot factory in Thornton an...

Clean Energy The Solid-State Race: Legacy Automakers Reach for Battery Breakthrough GM is the latest company to team-up with a battery start-up in a bid to develop a solid-state vehicle battery.

The battery leap claimed by Singh and his team promises to extend the range of electric cars by as much as 50% over today's lithium-ion technology, while reducing charge time for a long drive to ...

Hyundai Patents An Innovative Pressurized Battery System . Hyundai Motor Company has filed a patent for a novel all-solid-state battery system equipped with a unique pressurization device.

The company's next-generation solid-state lithium-metal battery technology is designed to enable greater energy density, faster charging and enhanced safety to support the transition away from ...

Our goal is to accelerate the adoption of electrification in the energy markets at warp speed by massively deploying proven, mass-production available, solid-state, disruptive battery storage technologies. Amptricity(TM) is far superior to other commercial storage technologies on the market today.

Toyota (NYSE:TM) has heavily invested in solid-state battery technology, which can provide a big boost to the company's electric vehicle ambitions.The Japanese automaker is one of the key ...



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Quebec-based solid-state battery maker, Blue Solutions, just struck a co-development deal with the world's largest electronics manufacturer ... France-based Bollor&#233; Group owns Blue Solutions. Its batteries are in over 1,000 transit buses in France and Australia as well as automated guided vehicles (AGVs) that move containers at ...

NASA researchers are making progress with developing an innovative battery pack that is lighter, safer, and performs better than batteries commonly used in vehicles and large electronics today.. Their work - part of NASA's commitment to sustainable aviation - seeks to improve battery technology through investigating the use ...

The start-up Adden Energy, founded by scientists at Harvard University, is developing a new type of solid-state battery for electric vehicles and has now announced that it has received a technology ...

The company further launch all-solid-state batteries with high specific energy of 400Wh/kg in 2028. BYD. According to the news from the market, BYD's solid-state battery may adopt the technical route of high nickel ternary (monocrystalline) + silicon-based anode (low expansion) + sulfide electrolyte (composite halide), and the energy ...

ProLogium is a lithium ceramic battery manufacturer that is leading in the commercialization of safer EV batteries with higher energy density and superior performance. Following its first shipment of lithium-ceramic battery(LCB) in 2014, ProLogium's R& D and production capabilities for SSBs have been verified by various ...

Toyota plots solid-state EV battery roadmap. The company claims its new tech will offer 10-minute fast charging and significantly more range. Two versions are expected: one offering 621 miles ...

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

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