

What is innolith I-state battery technology?

Basel, Switzerland, 13 th June 2023 - Innolith, a European developer of Li-ion battery cell technologies, today announces the commercialisation of its I-State battery technology platform for use in electric vehicles (EVs) and e-mobility applications.

What is innolith e-mobility battery technology?

Innolith runs one of the world's leading battery cell research programs at its R&D Center in Bruchsal, Germany, where it is pioneering a next generation e-mobility battery technology based on a proprietary electrolyte that delivers cells with lower cost, high energy density along with higher safety and temperature performance.

What is innolith battery cell technology?

The Innolith battery cell technology is based on the proprietary liquid inorganic electrolyte that can operate at up to 5 volts without degradation, unlike the Li-ion batteries in use today that are limited to 4.2 volts. This gives the batteries higher gravimetric energy density of 300 Wh/kg and volumetric energy density of 825 Wh/L.

Does innolith have a high power cell?

In addition to a high energy cell, Innolith has recently developed a high power cell on the same I-State platform. Development of the high-power cell that still retains exceptional energy density was possible due to the high conductivity of the I-State electrolyte (up to four times that of conventional Li-ion electrolyte).

Is innolith a sustainable battery?

The I-State battery uses 20% fewer rare-earth metals per kilowatt-hour than traditional lithium-ion batteries. The battery is also made with 100% locally produced electrolyte, and the electrolyte is recyclable, collectively making the battery more sustainable. Innolith is headquartered in Basel, Switzerland. It was started over 20 years ago by

Is innolith I-state a good electrolyte?

Innolith claims its I-State platform is "well suited for applications that require both high energy and high power". This is achievable due to the electrolyte's "exceptionally" high conductivity, up to four times that of conventional Li-ion electrolytes.

April 18, 2019: Innolith, the German start-up that rose from the ashes of Alevio, reported on April 4 that it has developed the world's first 1,000 Wh/kg rechargeable lithium battery -- giving an electric vehicle the potential of reaching 1,000km per charge.. Under development in the company's German laboratory, the Innolith battery uses a non-flammable inorganic electrolyte ...

JustAuto reported that aside from lowering EV costs and making them more sustainable, technology based on the battery's platform is in development to provide a longer EV range with 350-400 Wh/kg energy densities.. Konstantin Solodovnikov, CEO of Innolith, told JustAuto, "Conventional Li-ion has served us well for 40 years but has well-known limitations ...

Das Batemo Cell Model der Lithium-Ion Batterie Innolith High Energy 21700 (A) ist ein hochwertiges, physikalisches Zellmodell mit globaler Validität. ... dass Batemo die von Ihnen angegebenen Informationen an Far East Battery Jiangsu Co., Ltd, No.8, Keji Avenue, Gaocheng Town, Yixing City, 214200 Wuxi/Jiangsu, China ...

From Greek battery maker Sunlight to startups like InoBat Auto in Slovakia and Switzerland's Innolith, firms say the challenge of building economies of scale fast to compete head-on means finding niches is a more ...

The company is now being rebooted this week under a new name, Innolith, and with a focus on R& D rather than battery manufacturing. Innolith, which is registered in Basel, Switzerland, will look to ...

Innolith has pioneered an entirely new battery technology that will power EVs to go further, store energy for the grid more efficiently, and make electric ships and planes a reality. Headquartered in Basel, Switzerland, with research and development labs in Bruchsal, Germany, Innolith's innovation has led to a new class of inorganic battery ...

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INNOLITH Announces new addition to the portfolio - I-STATE Power Cell for High Performance E-Mobility. ... News. September 19, 2023. INNOLITH WITH ITS DISRUPTIVE I-STATE BATTERY CELL TECHNOLOGY MADE IT TO THE TOP 50 eMOBILITY LEADERS LIST. Announcement. September 19, 2023 ... Deutsche Telekom joins Energy Web, liquid electrolyte battery, 6G ...

The I-State Power Cell will be used for e-mobility applications that require high-energy density battery capable of delivering high power. Target markets include leading performance sports and luxury BEV, off-road, ... About Innolith Innolith is a battery technology company, headquartered in Basel, Switzerland, that develops battery cell ...

Innolith aims to start mass production in 2020, preceded by production line tests in 2019. Manufacturing will be carried out by partners, while the company will focus on research and development (R& D). Greentech Media reported that Innolith is a relaunch of bankrupt battery firm Alevo.

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Innolith's battery uses an inorganic electrolyte that it claims makes it long-lasting and safe (Credit: Innolith AG) Innolith AG's 1000km electric vehicle battery. Following the projected three to five years of development, Innolith plans to launch its battery via a pilot in Germany prior to licensing with major automotive firms around the ...

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From Greek battery maker Sunlight to startups like InoBat Auto in Slovakia and Switzerland's Innolith, firms say the challenge of building economies of scale fast to compete head-on means finding niches is a more likely path to success, for now. ... forklifts and energy storage systems and it is now shifting to lithium cells.

Green Car Congress, a website focusing on sustainable mobility, recently covered the commercialisation of our I-State Technology. The article explains how I-State offers high energy density, improved safety, and performance. It operates at higher voltages, allowing for better cathode utilisation and a 20% reduction in cathode metals. Discussing how we have ...

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