



Prologium solid state battery Saint Lucia

Is prologium a solid-state battery company?

Founded in 2006, Prologium developed solid-state batteries in 2012 and is selling them to manufacturers of small IT devices such as smartwatches. The company is also attracting investment from global investment companies and co-developing solid-state batteries for electric vehicles with major automakers such as Mercedes-Benz.

Who is prologium battery?

Founded in 2006, ProLogium is a global leader in innovative next-generation battery technologies for vehicle, consumer, and industrial applications. ProLogium is the first battery company in the world to mass-produce solid-state lithium ceramic batteries. Its proprietary technologies cover nearly 600 (applied and awarded) patents worldwide.

Will prologium build a solid-state battery pack?

After a series of evaluations on ProLogium's solid-state batteries with 100% SiOx anode, the two companies will enter into discussion regarding building prototypes for "ProLogium- MAHLE" solid-state cell modules and battery pack.

Is prologium launching a Gigafactory site for next-generation solid-state batteries?

ProLogium has also confirmed the search for its first overseas gigafactory site for next-generation solid-state batteries in Asia, Europe, or USA in light of the exponential growth in demand for electric vehicles over the next decade. The battery maker has been in discussion with multiple agencies in these regions.

How much energy does a prologium battery produce?

In March 2024, ProLogium achieved TÜV Rheinland certification for its battery's energy density at 749 Wh/L (volumetric) and 321 Wh/kg (gravimetric). By December, ProLogium has raised the bar to 811.6 Wh/L and 359.2 Wh/kg, exceeding its October forecast.

Why should you choose a prologium battery?

With the combined expertise of the two groups, we will shape future battery technologies with superior properties", said Arnd Franz, Chairman of the MAHLE Management Board and CEO. ProLogium adopts oxide ceramic electrolytes, featuring higher heat conductivity and thermal stability.

ProLogium has developed several innovative technologies to solve the interface issues for solid-state battery. Our years of hard work earned us over 200 patents that enable fast charging, battery life, and low temperature performance. These advantages combined made it possible for PLG to create our unique lithium ceramic battery - LCB.

A subsidiary of Vingroup, Vietnam's largest private company, Vinfast has signed a MOU with the world's



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leading solid-state battery manufacturer ProLogium to accelerate commercialization of solid-state battery EV in Vietnam. According to the MOU, the two parties will set up a joint venture to produce automotive solid-state battery(SSB) pack ...

ProLogium Technology will be attending the Paris Motor Show - "Revolution is on", from 17 to 23 October 2022 at Porte de Versailles. The motor show presents a great opportunity for ProLogium to showcase its proprietary technologies of next generation solid-state battery (SSB) and to unveil its latest innovations to industry experts and international audience ...

With its automated pilot production line, ProLogium has provided nearly 8,000 solid-state battery sample cells to global car manufacturers for testing and module development. ProLogium Technology is currently the world's only solid-state battery manufacturer that has reached mass production and continues to inspire global battery innovation ...

ProLogium is the only solid-state battery company in the world that has been recognized two times in the Awards" history. Back in 2019, ProLogium won its first Edison Gold Award for its patented BiPolar+ technology. The BiPolar+ technology took solid-state battery performance to a whole new level, while the ASM technology guarantees absolute ...

ProLogium is a battery manufacturer focused on next-generation solid-state-battery solutions for EVs. The company announced that it will invest EUR 5.2 billion in a new facility which happens to be its first large-scale solid-state battery manufacturing facility outside of Taiwan.

Gogoro's new battery prototype was jointly developed with Prologium Technology, a leader in solid-state lithium ceramic batteries. March 8, 2022. ... founder and CEO of ProLogium Technology. "Solid-state battery technologies present a new phase in the future of electric vehicles, and we look forward to advancing this Gogoro prototype ...

POSCO Holdings has decided to cooperate with Prologium solid-state battery manufacturer, to develop core materials for next-generation secondary batteries.. Posco has signed an agreement to invest ...

Mahle, ProLogium team on solid state battery tech Cette nouvelle structure permet d'utiliser des matériaux d'anode ; haute activité ; et ; haute capacité ;, tels que le tout-silicium, et divers matériaux d'électrolyte ; l'électrolyte solide, tels que les oxydes, les sulfures, les polymères solides et les halogénures.

ProLogium's solid-state battery pilot line with roll-to-roll automated production process began running in October, 2017. ProLogium's solid-state batteries have been verified for superior safety, high energy ...

With its solid-state battery R& D and manufacturing know-how, ProLogium is a strong partner for Mercedes-Benz to maintain its role as a leader in battery technology. Markus Scherfer, Member of the



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Board of Management of Daimler AG and Mercedes-Benz AG, Chief Technology Officer responsible for Development and Procurement, said, "We believe that ...

Recently, they conducted shooting test by firing an 8.3 Ah solid-state battery with a 7.62mm caliber cartridge. The bullet penetrated and twisted the surface of cell into an eight-petal flower, could tell from the bullet hole that a fatal phenomenon was happening: short circuit triggered by connected cathode and anode.

A Game-Changing Battery Technology That Achieves High Energy Density and Scalable Production, Ready to Drive the Global Energy Transition. ProLogium Technology, a pioneer in lithium-ion battery innovation, was invited to the Solid-State Battery Summit (SSB Summit) on August 14, 2024, Chicago, USA. The company's Chief Scientist, Dr. Dmitry Belov, ...

Vinfast, Vietnam's first national car brand bared its ambition to dominate Vietnam's electrical vehicle market by embracing ProLogium's epoch-making solid state automotive battery solution. A subsidiary of Vingroup, Vietnam's largest private company, Vinfast has signed a MOU with the leading solid-state battery manufacturer ProLogium to accelerate ...

The collaborative efforts will contribute to the rollout of commercially viable solid-state battery solutions that offer improved safety, energy density, and lifespan. ... After a series of evaluations on ProLogium's solid-state batteries with 100% SiOx anode, the two companies will enter into discussion regarding building prototypes for ...

ProLogium is the first battery company in the world to mass-produce solid-state lithium ceramic batteries. Its proprietary technologies cover over 500 (applied or awarded) patents worldwide. ... ProLogium's automated pilot production line has provided nearly 8,000 solid-state battery sample cells to global car manufacturers for testing and ...

Taipei, July 25 2023 - ProLogium and MAHLE have signed an MOU for the development of the first thermal management system tailored for ProLogium's next generation solid-state batteries. The collaborative efforts will contribute to ...

In April 2019, ProLogium was awarded gold at the Edison Awards for its battery pack assembly technology "BiPolar+ 3D Structure Solid-State EV Battery Pack", which allows for direct connection of electrodes in series and parallel by ...

On top of that, in addition to successful mass production of solid state battery, ProLogium is the first company to integrate the battery pack with BiPolar+ technology and the mechanism tailor made for solid-state battery, thus creating a solution completely different from the structure of conventional battery pack. It has greatly simplified ...

"The Time is Now." New Technological Structure Opens a New Chapter in the Battery Industry.



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TAOYUAN, Jan. 23, 2024 /PRNewswire/ -- On January 23rd, ProLogium Technology, a global leader in solid ...

In April 2019, ProLogium was awarded gold at the Edison Awards for its battery pack assembly technology "BiPolar+ 3D Structure Solid-State EV Battery Pack", which allows for direct connection of electrodes in series and parallel by stacking to simplify the connection materials and space for the EV battery system and improve energy density. [23]In April 2021, ProLogium ...

FEV and ProLogium Technology, a leader in solid-state batteries, signed a MOU to cooperate in the development of solid-state battery systems. Both parties are leveraging their expertise to jointly develop energy storage systems based on ProLogium's unique solid-state batteries (SSBs) technology. SSBs, whose properties and innovative internal ...

ProLogium debuted a groundbreaking 106Ah solid-state battery tailored for electric vehicles, showcasing advanced manufacturing and commercial viability. The Taoke factory aims to produce batteries for 26,000 electric vehicles worldwide, positioning ProLogium as a key player in the global transition to electric mobility since its production ...

Dunkirk, October 12, 2023 - The consultation for the construction of a solid-state battery gigafactory, led by ProLogium and RTE, is progressing in the Hauts-de-France region. In the midst of this consultation period, two roundtable discussions concerning electric mobility are scheduled for Tuesday, October 17, at the Regional Council of Lille.

The German Automotive supplier MAHLE and the Taiwan-based battery manufacturer ProLogium signed a Memorandum of Understanding for developing and evaluating thermal management solutions for next generation solid-state batteries. Solid-state cells are expected to have significant advantages in the future in terms of safety and energy density ...

ProLogium's Automotive Power Solution. ProLogium's Automotive Power Solution. Fundamentally Safe. 2 X. Longer Range. 9 min. ... Far superior safety compared to liquid battery. Safety is guaranteed even with large-capacity ...

Gogoro's new battery prototype was jointly developed with Prologium Technology, a leader in solid-state lithium ceramic batteries. March 8, 2022. ... founder and CEO of ProLogium Technology. "Solid-state battery ...

ProLogium announced its plan to set up its first overseas solid-state battery gigafactory in Dunkirk, France in mid-May. With a total EUR5.2 billion in investment and a total planned capacity of 48 GWh to be deployed in phases, the Dunkirk gigafactory will serve as a manufacturing base to supply the European EV market, enabling ProLogium to ...



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ProLogium introduces the "P-C-R Next-Generation Solid-State Battery solution, which harmonizes "Performance", "Cost" and "Resource Circularity" to maximize resource efficiency and cost-effectiveness.
mars 19, 2024 / par media

Prologium's one of the better bets, they already make lithium ceramic cells at the 40MWh/yr level. They've already got their 3GWh/yr facility under construction and headed for production next year. Cost is still going to be the sticking point for mass adoption because research costs need to be recouped -- solid-state cells were always going to be more expensive than regular cells at the ...

By combining NIO's deep development capability of "Battery­ Motor­ Controller" system and ProLogium's accumulated technologies in the field of solid state battery, we can create a brand new, or even optimised MAB Multi­Axis Bipolar Pack to bring the truly safe and highly efficient new energy vehicle to the market," added Yang.

ProLogium's GWh level solid-state lithium ceramic battery plant will be the first in the world to go online in early 2023, and it aims to begin scaling up by the second half of the year, followed by capacity expansion ...

It is expected that the first EV powered by " BiPolar + 3D Structure Solid-State EV Battery Pack " may make its debut by as early as 2019. PLG BiPolar + 3D Structure Solid-State EV Battery Pack will be exhibited at the CES 2019 (runs on January 8-11 in Las Vegas, NV), LVCC North hall, booth no. 3531.

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