

Is prologium a solid state battery manufacturer?

ProLogium's first major solid state battery plant, which is slated to launch in early 2023, will devote a significant portion of the facility's production capacity to supply VinFast. In the future, ProLogium and VinFast may also establish a joint-venture solid-state battery factory in Vietnam.

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.

What is prologium battery?

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 markets.

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 prologium?

Through years of proven core technologies, ProLogium fulfills requirements for batteries including extreme safety, high energy density and low cost. 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.

Who is prologium?

Founded in 2006, ProLogium is an energy innovation firm focused on the R&D and manufacturing of next-generation battery solutions for EV, consumer, and industrial applications. Its proprietary technologies cover more than 650 (applied and awarded) patents globally.

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

3 Collaboration with battery pioneer ProLogium brings solid-state technology to the point of

commercial series production. Paul Myles, European Editor. December 11, 2024. 2 Min Read.

China is planning to spend \$830 million on all-solid-state battery R& D, reveals a report by Chinese Daily. Six companies, including CATL, BYD, China FAW Group, SAIC Motor Corp, Beijing WeLion New Energy Technology, and Geely Auto Group, will likely receive basic R& D support from the government, the report said.

The regions covered in the solid state battery market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East and Africa. The solid state battery market ...

The official statement held that under the agreement, ACC and ProLogium will focus their joint efforts on the collaboration for the development solid-state EV battery development. "ProLogium Inside" EV battery solutions will be developed for customers based on ProLogium's solid-state battery technology and subsequent supply chain and ...

Solid Power, Inc. Ilika plc; ProLogium Technology Co., Ltd. Cymbet Corporation ... Chapter 15 Middle East & Africa (MEA) All Solid State Battery Analysis and Forecast 15.1 Introduction 15.2 Middle East & Africa (MEA) All Solid State Battery Market Size Forecast by Country 15.2.1 Saudi Arabia 15.2.2 South Africa 15.2.3 UAE 15.2.4 Rest of Middle ...

The first Mercedes-Benz test vehicles equipped with solid-state batteries co-developed with ProLogium are expected to be introduced in the coming years. The companies also agreed on milestones that would enable integration of the solid-state battery technology into a range of passenger vehicles in the second half of the decade.

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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 ...

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 ...

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tout-silicium, et divers matériaux d"électrolyte à ...

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

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

Taiwan-based solid-state batteries manufacturer ProLogium has appointed Accuracy - an independent financial and strategic consulting firm - to advise on the location of its first major Gigawatt-hour (GWh) battery factory in Europe and to work with its international development team.

On March 19th, ProLogium Technology, a global leader in solid-state battery innovation, makes its debut at the "2050 Net Zero City Expo" in Taipei, Taiwan. During the event, Prologium is showcasing its exclusive "P-C-R Next-Generation Solid-State Battery" solution and its pathways to de-carbonization, aiming to develop solid-state batteries that are not only commercially ...

With its anode of 100 per cent silicon this battery offers a 10-times higher capacity density compared to graphite anodes used today. Depending on the vehicle segment and intended use, the LLCB saves up to 300 kg or allows a maximum range of 1,000 km. The applied solid-state electrolyte is non-flammable and increases safety against thermal runaway.

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 ...

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 ...

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The solid state battery market is forecasted to grow by USD 554.8 million during 2023-2028, accelerating at a CAGR of 44.97% during the forecast period. ... South America; Middle East and Africa; ... Johnson Energy Storage Inc., LG Chem Ltd., Murata Manufacturing Co. Ltd., Poly Plus Battery Co., ProLogium Technology Co. Ltd., QuantumScape Corp ...

Global Solid-state Battery Market Research Report: Forecast (2023-2028) Solid-state Battery Market Report-By Type (Thin-Film Solid State Battery, Portable Solid State Battery), By Application (Consumer Electronics, Electronic Vehicles, Medical Devices..., Wearables, Energy Harvest, Others(Aerospace, RFIDs, etc.)),By Storage Capacity (Up to 20mAh, 20.1mAh ...

New Structure Enables Advanced Chemistry and Superior Battery Performance . ProLogium's groundbreaking battery structure supports various chemical systems for diverse applications. ... the volumetric energy densities can reach 900-1,100 Wh/L. Coupling ultra-thin lithium metal with solid-state electrolytes and lithium-free soft cathode active ...

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+ ...

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Solid-state battery developer ProLogium recently showcased its exclusive "P-C-R" next-generation solid-state battery solution at the 2050 Net Zero City Expo in Taipei, Taiwan, aiming to develop solid-state batteries that are ...

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 ...

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 ...

"The Time is Now." New Technological Structure Opens a New Chapter in the Battery Industry.
TAOYUAN, Jan. 23, 2024 /PRNewswire/ -- On January 23rd, ProLogium Technology, a global leader in solid ...

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, ...

5 ???· The solid-state electrolyte used in the battery is non-flammable and provides enhanced protection against thermal runaway and electrolyte leakage. "For the LLCB solution, we have successfully combined ProLogium´s know ...

ProLogium recently showcased its exclusive "P-C-R" next-generation solid-state battery solution at the 2050 Net Zero City Expo in Taipei, Taiwan, aiming to develop solid-state batteries that are not only commercially ...

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