

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.

What is prologium doing at EES Europe?

From June 14-16, energy innovation company ProLogium will be attending EES Europe in Munich, Germany. While at Europe's largest battery and energy storage technology event, ProLogium will share its next-generation solid-state battery and manufacturing technologies with industry experts.

Are Mercedes-Benz & prologium developing next-generation solid-state battery cells?

Home Company News Next-generation solid-state battery cells. Next-generation solid-state battery cells. January 27, 2022 - Mercedes-Benz and ProLogium, a leader in solid-state batteries, have signed a technology cooperation agreement to develop next-generation battery cells.

Does prologium have a second-generation solid-state battery?

Last week at EES 2023 in Munich, ProLogium introduced its second-generation solid-state battery, which is claimed to create packs that have double the energy density of traditional packs that use conventional lithium-ion cylindrical cells.

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.

What is prologium technology?

said Vincent Yang, CEO and founder of ProLogium Technology. "Last year, we announced the first solid-state battery with 100% silicon oxide anode designed to enable higher energy density at the cell level.

Developing the very first thermal management solutions tailor-made for solid-state batteries will be a crucial step towards commercialization. ProLogium's oxide solid-state lithium ceramic battery will contribute to longer driving range, faster charging and better battery recyclability. Electrification and thermal management are closely ...

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 ...

ProLogium said the plant would be able to supply two gigawatt-hours (GWh) of ceramic solid state batteries per year when it reaches full capacity, enough for some 26,000 battery electric vehicles ...

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 ...

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 ...

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 ...

The "ProLogium-MAHLE" solid-state battery pack prototypes will be developed after rigorous evaluations of ProLogium's solid-state batteries with 100% SiOx anode. Leveraging MAHLE's profound expertise in developing advanced thermal management systems, the collaboration aims to create EV battery solutions with improved energy density ...

About ProLogium Founded in 2006, ProLogium specializes in innovative lithium ceramic battery solutions for electric vehicles, consumer markets, and industrial applications. With over 800 global patents (including those pending and already granted), ProLogium has delivered more than 8,000 next-generation battery samples to automakers worldwide.

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.

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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 ...

Taiwanese battery developer ProLogium Technology has officially opened its Taoyuan gigafactory in Taoyuan, Taiwan. According to the company, this marks the opening of the world's first gigawatt-hour capacity solid-state lithium-ceramic battery plant. ... At the official opening of the gigafactory, the company demonstrated a 106-ampere-hour high ...

2 ???· 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.

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 density, and its 99.9% single layer yield has been recognized for commercialization readiness.

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