Nauru prologium battery

What is prologium battery?

ProLogium is a lithium ceramic battery manufacturerthat 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.

How far can a prologium battery go?

Highlighting its potential for use in EVs at the ongoing Paris Motor Show,the Taiwanese company claimed a major leap in energy density and charging efficiency,promising 186 miles(300 km) of range from a five-minute charge. Let's dive into the juicy numbers right away. ProLogium said its new battery system manages an energy density of 321 Wh/kg.

Is prologium a good battery for EVs?

Battery tech firm ProLogium has taken the wraps off its 100% silicon composite anode battery. Highlighting its potentialfor use in EVs at the ongoing Paris Motor Show,the Taiwanese company claimed a major leap in energy density and charging efficiency,promising 186 miles (300 km) of range from a five-minute charge.

When did prologium's new battery come out?

The battery made its premiere on October 14at the Paris Motor Show. According to a press release by ProLogium,the battery technology has been adopted in partnership with Germany's FEV Group to make a next-generation battery pack.

Who is prologium technology?

ProLogium Technology is currently the world's only solid-state battery manufacturerthat has reached mass production and continues to inspire global battery innovation towards a fully electric,sustainable future. Sign up for our newsletter! © 2022 Copyright - ProLogium Technology CO.,Ltd. All Rights Reserved.

Automotive Cells Company & ProLogium Technology have signed a Memorandum of Understanding to join forces in a new strategic partnership. Both companies are leveraging their own expertise to jointly develop state-of-the-art EV solutions based on solid-state battery: the battery technology considered the most promising in terms of safety, energy ...

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 ...

ProLogium provides advanced lithium ceramic battery solutions for electric vehicles, consumer markets, and industrial applications. Its proprietary technologies are protected by over 900 global ...

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.

This certification, recognized as a benchmark for battery safety and performance, highlights ProLogium"s industry-leading energy density of 811.6 Wh/L (volumetric) and 359.2 Wh/kg (gravimetric). Achieving this milestone well ahead of schedule reflects the company"s commitment to advancing electric vehicle (EV) battery technology. Key ...

When it comes to battery cooling systems, MAHLE is one of the pioneers and has been in series production for well over a decade. Based on the ProLogium solid-state technology, MAHLE evaluates the thermal requirements on cell, cell module, battery pack and vehicle system level to derive optimal thermal management solutions.

The new 100% silicon composite anode battery developed by ProLogium represents a breakthrough in the industry, offering 749 Wh/L volumetric energy density and 321 Wh/kg gravimetric energy density. These numbers are projected to reach 823 Wh/L and 355 Wh/kg by the end of 2024. This advancement places ProLogium ahead of mainstream LFP ...

Showcasing the Industry"s Only Next-Generation Battery Pack in Partnership with FEV Group for Automotive Applications PARIS, Oct. 14, 2024 -- ProLogium Technology, the global leader in LCB-based ...

ProLogium adopts oxide ceramic electrolytes, featuring higher heat conductivity and thermal stability. Therefore, the innovation necessitates a distinct approach to heat dissipation and thermal management in the design process. "A well-designed thermal management system is one of the keys to further strengthening ProLogium batteries" advantages in performance and ...

ProLogium"s battery concept, "Small Battery, Big Future", provides consumers with an easy transition to EVs equipped with next-generation batteries. The battery achieves energy densities of 749 Wh/L and 321 Wh/kg ...

ProLogium Technology, with vast experience in next-generation batteries, plans to change the automotive industry with the presentation of its silicon composite anode at the 2024 Paris Motor Show.. The world"s first silicon composite anode. ProLogium "s new battery, certified by TÜV Rheinland, would enable higher energy density and fast-charging capabilities ...

"As leading global battery innovators, Gogoro and ProLogium have partnered to jointly design solid state battery prototypes that integrate with Gogoro"s battery swapping network and two-wheel vehicles," said Vincent ...

As a rapidly emerging pioneer of mass production of solid state lithium ceramic battery, ProLogium has delivered another breakthrough this year. After winning the distinguished honor of innovation award by its EV solid state battery pack in CES early this year, ProLogium Corporation is again listed among the top three winners of Edison Awards ...

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.

Taiwanese startup Prologium is pushing ahead with a EUR5.2 billion battery plant in France at a time when gigafactories across Europe have stalled as EV sales cool. Category Focus on Electrification

Key Features of ProLogium"s Battery: Energy Density: Substantially higher than traditional lithium-ion batteries, enabling smaller and lighter battery packs. Ultra-Fast Charging: TÜV Rheinland tests show the ...

Battery tech firm ProLogium has taken the wraps off its 100% silicon composite anode battery. The Taiwanese company claimed a major leap in energy density and charging efficiency, promising...

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

The fast charging silicon battery developed by ProLogium has been certified by TÜV Rheinland and is being used by FEV Group to develop a next-generation battery pack. The battery system has a volumetric energy density of 749 Wh/L and a gravimetric energy density of 321 Wh/kg, with projections to increase to 823 Wh/L and 355 Wh/kg by the end of ...

ProLogium Technology has unveiled the world"s first 100% silicon composite anode battery at the 2024 Paris Motor Show. This new battery technology, certified by TÜV Rheinland, aims to transform the electric vehicle ...

"As leading global battery innovators, Gogoro and ProLogium have partnered to jointly design solid state battery prototypes that integrate with Gogoro"s battery swapping network and two-wheel vehicles," said Vincent Yang, founder and CEO of ProLogium Technology. "Solid state battery technologies present a new phase in the future of ...

With its battery offering superior energy density and fast-charging capabilities, ProLogium is pitching a "Small Battery, Big Future" concept. With only 66% of the total energy capacity of current lithium-ion batteries needed, the company says an application can go from 83 to 55 kW·h, cutting vehicle mass by 300 kg and boosting both energy ...

(ProLogium Technology: Taoyuan, Taiwan) -- ProLogium Technology, a pioneer in lithium-ion battery innovation, was invited to the Solid-State Battery Summit (SSB Summit) last August in Chicago. ... According to TÜV Rheinland, ProLogium"s battery is highly energy dense and capable of fast charging from 5% to 80% state of charge (SOC) in just 8 ...

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, ...

Battery solutions provider ProLogium Technology premiered its 100% silicon composite anode battery at the 2024 Paris Motor Show.This technology, certified by TÜV Rheinland, is also adopted in partnership with Germany"s FEV Group to develop a next-generation battery pack, showcasing ProLogium"s substantial progress in lithium ceramic ...

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 ...

All this is made possible by LLCB technology (Large-Footprint Lithium Ceramic Battery). 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.

World"s first 100% silicon composite anode EV battery unveiled, charges in 8.5 minutes. ProLogium"s 100 percent silicon composite anode enhances energy density and fast-charging performance.

According to TÜV Rheinland, ProLogium"s battery is highly energy dense [Note] and capable of fast charging from 5% to 80% state of charge (SOC) in just 8.5 minutes, effectively resolving the long ...

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