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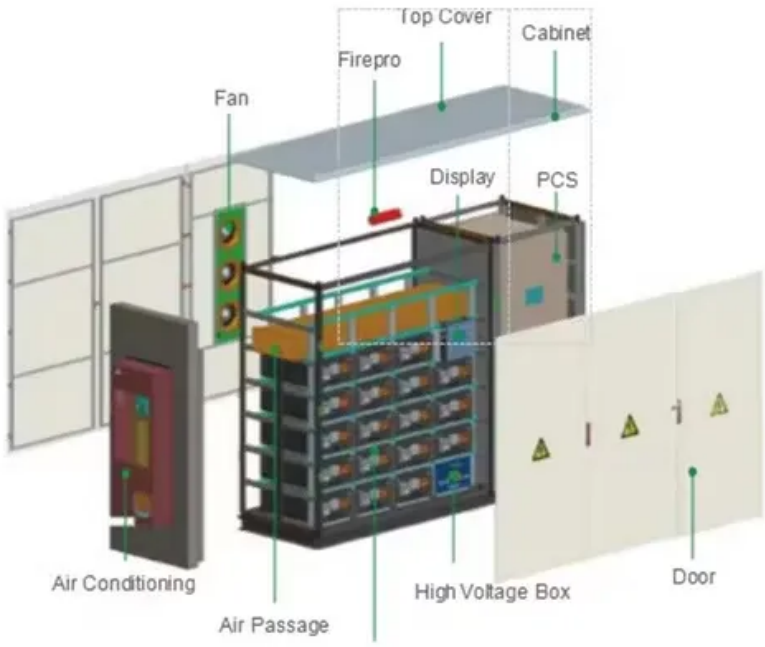
Cook Islands prologium battery



Overview

What is prologium's new battery technology?

According to ProLogium, its latest innovation for its lithium ceramic batteries achieved a volumetric energy density of 749 Wh/L and gravimetric energy density of 321 Wh/kg. The company also revealed that it already surpassed the lithium-ion batteries present in the market, claiming that it "widened" the gap by up to 77 percent by 2024's end.

How long does a prologium battery take to charge?

They can charge from 5% to 80% in 9 minutes, and from 5% to 60% in 5 minutes. Even after 800 continuous fast-charge cycles of 5 minutes each, the battery retains 80% of its capacity. These features distinguish ProLogium's innovations from conventional lithium-ion batteries, delivering significant consumer value unmatched by current market products.

How long does a prologium battery last?

Thanks to ultra-thin anodes and excellent ionic conductivity, ProLogium's products enable rapid charging without compromising cycle life. They can charge from 5% to 80% in 9 minutes, and from 5% to 60% in 5 minutes. Even after 800 continuous fast-charge cycles of 5 minutes each, the battery retains 80% of its capacity.

What is prologium's first giga-level lithium ceramic battery factory?

In January of this year, ProLogium inaugurated the world's first giga-level lithium ceramic battery factory in Taoyuan, Taiwan. This milestone not only demonstrates the feasibility of mass production of lithium ceramic batteries but also serves as concrete evidence of ProLogium's leading production capacity.

Who is prologium?

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, ProLogium has delivered nearly 8,000 next-generation battery samples to automakers worldwide.

How has prologium changed the lithium-ion battery industry?

ProLogium has redefined lithium-ion batteries with its groundbreaking platform. Overcoming the limitations of the traditional architecture established in 1991, ProLogium has replaced the conventional polymer separator film with a ceramic separator, achieving unparalleled advancements in the lithium-ion battery industry over the past 33 years.

Cook Islands prologium battery

ProLogium to Debut World's First 100% Silicon ...

Certified by the internationally recognized TÜV Rheinland, ProLogium's innovative battery features a 100% composite silicon anode, presenting a groundbreaking leap in both energy density and fast-charging ...

FEV and ProLogium debut solid-state battery with 1,000km range

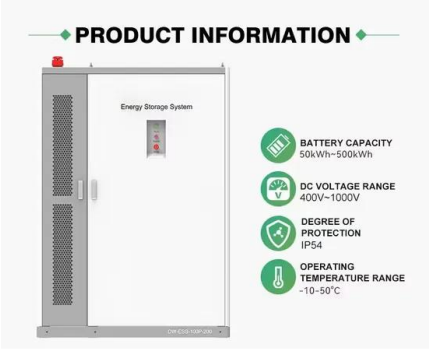
German automotive engineering firm FEV and battery developer ProLogium have unveiled a new Large-Footprint Lithium Ceramic Battery (LLCB) technology that promises significant advances in electric vehicle performance. The battery features a silicon composite anode that delivers 10 times higher capacity density compared to traditional graphite

ProLogium, FEV show 100% silicon battery

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 Opens the World's First Giga-level Solid-State Lithium

"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



ProLogium Unveils 100% Silicon Anode Battery

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 ...

Single wall carbon nanotube battery: 350 Wh/kg

Leading Li-ion manufacturers have proven that TUBALL(TM) nanotubes make it possible today to create anodes with 20% SiO inside and thus reach record-breaking battery energy densities--up to 300 Wh/kg and 800 Wh/l. Such battery cells can deliver up to +15% higher range than the best Li-ion battery cells on the market.

Prologium pushes ahead with French gigafactory as other ...

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

MAHLE and ProLogium join forces to push solid-state battery ...

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.

ProLogium Technology Presented Its Film-Free Next-Generation Battery ...

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 Sets Record-Breaking Standards in Battery Safety and ...

ProLogium provides advanced lithium ceramic battery solutions for electric vehicles, consumer markets, and industrial applications. Its

proprietary technologies are protected by over 900 global

ProLogium Debuted World's First 100% Silicon Composite Anode ...

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 and a five-minute fast charge provides approximately 300 km of range, already outperforming current lithium-ion batteries

ProLogium Technology Presented Its Film-Free Next-Generation Battery ...

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, ...

ProLogium advances in its lithium ceramic battery ...

ProLogium Technology premiered its 100% silicon composite anode battery at the 2024 Paris Motor Show.This battery technology, certified by TÜV Rheinland, has been adopted partner with FEV Group to develop a next-generation battery pack, showcasing ProLogium's substantial progress in LCB (lithium ceramic battery) commercialization and ...

ProLogium and Mercedes-Benz to develop solid state battery cells

ProLogium, a solid state battery specialist, and Mercedes-Benz have signed a technology cooperation agreement to develop next-generation battery cells. The first test vehicles are expected to be

2024 Paris Motor Show: ProLogium debuts 100% silicon ...

ProLogium has also announced a strategic partnership with FEV on the sidelines of the ongoing event in Paris. Taiwan-based battery company ProLogium Technology has unveiled its 100% silicon composite anode battery at the 2024 Paris Motor Show, making an accelerated progress toward the commercialization of lithium ceramic batteries (LCB), the ...

ProLogium introduces the "P-C-R Next-Generation Solid-State Battery ...

ProLogium introduces the "P-C-R Next-Generation Solid-State Battery solution, which

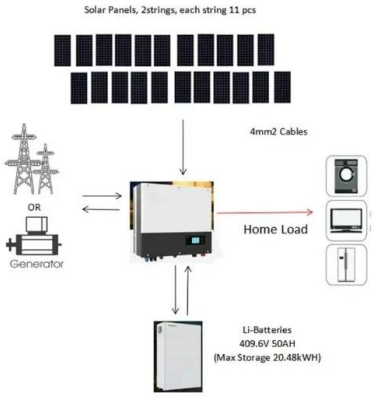
harmonizes "Performance", "Cost" and "Resource Circularity" to maximize resource efficiency and cost-effectiveness. mars 19, 2024 / par media

ACC & ProLogium Partner up to Accelerate the Development of ...

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 ...

FEV and ProLogium develop high-performance vehicle battery

FEV and ProLogium present the latest generation of their Large-Footprint Lithium Ceramic Battery (LLCB). Thanks to its lightweight design and increased energy density, it enables longer ranges and offers the option of ultra-fast charging, among other things.



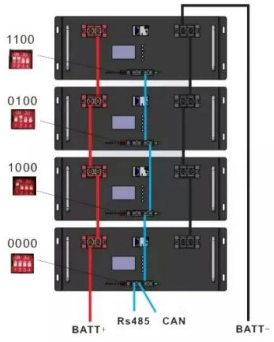
ProLogium partners with NIO to develop solid state batteries

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.

EV, Battery and Charging News: Prologium, Ford, InductEV, Rove, ...

In EV, battery and charging news are Prologium, Ford, InductEV, Rove, Blink Charging, Keysight, Lyten, Nissan, GreenPower, Voltera, ChargePoint and US DOE. Prologium Shows Silicon Composite Anode



ProLogium unveils first battery with silicon composite anode at ...

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 ...

ProLogium Opens the World's First Giga-level Solid-State Lithium

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

January 23rd, ProLogium Technology, a global leader in solid-state battery innovation, inaugurated its Taoke factory, marking a significant milestone in the battery industry. The event, attended by esteemed guests including Chief Secretary of Ministry of Economic ...

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