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What is Amprius a-sample EV cells?

Delivered on schedule in September, the A-Sample EV cells shipment is the final milestone in the \$3M USABC technology development contract awarded to Amprius in May 2022 to create a low-cost, fast-charge silicon nanowire battery. Amprius believes this achievement paves the way for additional sampling and evaluation by automotive manufacturers.

Why is Amprius working with USABC?

Amprius has been working closely with USABC and the DOE on these cells as part of a \$3 million contract awarded in May 2022. The delivery of these sample cells marks the final milestone in that development project. Amprius is in talks with major automakers about adopting this tech more widely.

How many charge cycles does Amprius have?

Amprius' internal tests are also showing progress toward achieving 1,000 charge cycles. USABC is a subsidiary of the United States Council for Automotive Research (USCAR), the collaborative technology company of Ford, General Motors, and Stellantis.

How fast does Amprius EV charge?

One of the standout features here is the charging speed. The A-Sample EV cells can go from empty to 90% in just 15 minutes, which exceeds the USABC's target of 80% in the same amount of time. Amprius' internal tests are also showing progress toward achieving 1,000 charge cycles.

Are Amprius batteries a game-changer?

With the automotive world increasingly focusing on cleaner energy, Amprius' batteries could be a game-changer.

Are Amprius SiMaxx EV batteries good for EV drivers?

Amprius' new SiMaxx cells hit an impressive 360 Wh/kg in energy density - far beyond the USABC's target of 275 Wh/kg. What does that mean for EV drivers? Simply put, longer range without a bulkier battery. Plus, these cells have a power density of 1200 W/kg, meaning more efficient energy delivery.

Dr. Stefan is a recognized expert in electrochemistry and energy storage and leads Amprius' scientific research and development activities for advancing lithium ion cell performance. Dr. Stefan has also served as a Senior Scientist ...

Agreement Funds Development of New Silicon Anode Cell with Reduction of Weight and Size by 50%.
FREMONT, Calif. - October 02, 2024 - Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, today announced it has signed a development contract from a ...



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New High-Performance Drop-In Drone Battery Pack is 31% Lighter Compared to Current Industry Offerings with 6% Greater Energy . FREMONT, Calif. - Sept. 11, 2023 - Amprius Technologies, Inc. ("Amprius" or ...

Amprius ships high-energy, fast-charging EV battery cells to the US Advanced Battery Consortium, marking a breakthrough in electric vehicle performance and efficiency. ... Amprius CEO Dr. Kang Sun highlighted that this achievement builds on the company's success in aviation and light vehicle markets and demonstrates its potential to impact ...

Fremont, CA - JANUARY 28, 2022 -- Amprius Technologies, Inc., the performance leader in Silicon Anode Li-Ion battery cells with its Si-Nanowire TM platform, today announced that the company's Chief Technology Officer, Dr. Ionel Stefan, will be presenting at two upcoming leading battery industry events: the TechBlick Battery Materials: Next Gen and Beyond Lithium-Ion, a ...

Complementary to the Silicon Nanowire Platform (Under the New Product Platform SiMaxx TM), the New SiCore TM Platform Offers up to 400Wh/kg and as many as 1,200 Cycles. FREMONT, Calif.--(BUSINESS WIRE)-- Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon ...

Next-Generation Cell Redefines Electric Mobility with Unrivaed Power and Energy Efficiency. FREMONT, Calif.--(BUSINESS WIRE)-- Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in ...

"We are honored to receive the Best of Show New Product Award for our SiMaxx 400 Wh/kg high-power cell," said Dr. Kang Sun, CEO of Amprius Technologies. "This second consecutive win in this category validates our dedication to building innovative products and shows the need for our next-generation battery technology to power the future of ...

Event Details: Amprius VP of Business Development Ronnie Tao will be presenting on Tuesday, April 23 at 7:30 p.m. ET/4:30 p.m. PT. His presentation is titled Next Generation LIB Battery Technology Powering UAV Today. Amprius will be exhibiting at Booth 3418. Li-ion Battery Americas (LiBA) Date: April 23-24, 2024 Location: Caesars Forum; Las ...

Amprius Technologies CEO Dr. Kang Sun stated, "We look forward to USABC validation of the A-sample cell performance towards showcasing the unique advantages of Amprius cells in electric vehicles," ... fast-charge silicon nanowire battery. Amprius believes this achievement paves the way for additional sampling and evaluation by automotive ...

Amprius On Track to Operationalize its Growth Engine to Serve Strong Customer Demand for High-Performance Silicon Anode Lithium-Ion Batteries and Fuel the Electric Mobility Market ... Council marks an important step towards our goal to begin operations at Amprius Fab in the first half of 2025," said



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Dr. Kang Sun, Chief Executive Officer of ...

These forward-looking statements are subject to a number of risks and uncertainties, including Amprius' ability to secure appropriate funding under reasonably acceptable terms; Amprius' liquidity position; delays or failure in rezoning the land for its manufacturing facility; delays in construction and operation of production facilities ...

Amprius Technologies continually explores new ways to improve battery technology and manufacturing processes. Amprius' batteries have established breakthrough performance with new cells up to 500 Wh/kg. ... Prior to Amprius, Dr. Sun led two business ventures in the renewable energy space - JA Solar Co. Ltd. (launched IPO on NASDAQ) and ...

Amprius' cells have been commercially manufactured since 2018 at the Company's headquarters in Fremont, CA. "This honor from Fast Company is a testament to the unparalleled performance our industry leading silicon anode lithium-ion cells offer," said Dr. Kang Sun, Chief Executive Officer of Amprius. "Our 450 Wh/kg cell provides ultra ...

Amprius Ships A-Sample EV Cells to United States Advanced Battery Consortium ... showcasing the unique advantages of Amprius cells in electric vehicles," said Dr. Kang Sun, CEO of Amprius ...

Complementary to the Silicon Nanowire Platform (Under the New Product Platform SiMaxx TM), the New SiCore TM Platform Offers up to 400Wh/kg and as many as 1,200 Cycles. FREMONT, Calif.--(BUSINESS ...

Event Details: Amprius CEO Dr. Kang Sun and CFO Sandra Wallach will meet with investors one-on-one at the event. If you are interested in scheduling a time to meet with management, please contact your Houlihan Lokey representative. Battery and EV Congress Date: May 8-9, 2024 Location: MSU Management Education Center; Troy MI

Amprius Technologies, Inc., a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, today announced it has shipped SiMaxx(TM) A-Sample EV Cells to the United States ...

Amprius will unveil its manufacturing tool to a select group of industry partners on June 29, 2016, at a Meyer Burger facility in the Netherlands. To request an invitation, please email info@amprius. About Amprius. Amprius is a leading manufacturer of high energy and high capacity lithium-ion batteries.

Amprius Technologies has shipped its power-packed A-Sample EV cells to the United States Advanced Battery Consortium (USABC), a research collaboration between major automakers to advance EV ...

The All-New Amprius 500 Wh/kg Battery Platform is Here FREMONT, Calif. - March 23, 2023 - Amprius Technologies, Inc. is once again raising the bar with the verification of its lithium-ion cell delivering unprecedented energy density of 500 Wh/kg, 1300 Wh/L, resulting in unparalleled run time. At approximately



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half the weight and volume of state-of-the-art, commercially available ...

Custom Battery Packs Deliver Unparalleled Energy Density for Electric Mobility Applications . FREMONT, Calif. - April 22, 2024 - Amprius Technologies, Inc. ("Amprius") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, today announced a strategic partnership with Stafl Systems, a pioneer in advanced battery pack ...

Fulfills Significant Customer Demand by Providing Immediate Scale-Up Flexibility Without Major Incremental Costs. FREMONT, Calif. - June 20, 2024 - Amprius Technologies, Inc. ("Amprius") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, today announced a strategic initiative to rapidly increase the ...

Next-Generation Cell Redefines Electric Mobility with Unrivaed Power and Energy Efficiency. FREMONT, Calif.--(BUSINESS WIRE)-- Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, is continuing to pioneer innovative battery technology with its newest ultra ...

How has battery technology progressed in recent years? There"s a certain skepticism that comes with battery technology. Something new is always five years away, according to some as ARS Technica reports, the capacity of today"s batteries is more than 1.5 times what it was ten years ago.. There are many categories of potential improvement within ...

FREMONT, Calif. - April 10, 2024 - Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, is pleased to announce it was named the CleanTech Breakthrough Battery Technology Company of the Year.. With nearly 1,300 submissions, the inaugural CleanTech Breakthrough Awards ...

FREMONT, Calif.--(BUSINESS WIRE)-- Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX), a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, is pleased to announce it was named the CleanTech Breakthrough Battery Technology Company of the Year. With nearly 1,300 submissions, the inaugural CleanTech ...



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