

Does Amprius have a Li-ion battery?

Amprius announced that the performance of its li-ion battery cellswere independently verified,confirming unprecedented energy density.

What makes Amprius a good battery?

Amprius Technologies' Silicon Batteries have excellent cycle lifethat is continuously improving. This has been demonstrated in real world use with multiple organizations including US National Labs and major aerospace companies. 100% Silicon Anode (1) Has ~10x Capacity vs. Graphite

Will Amprius be able to produce 5 GWh lithium-ion batteries?

To serve significant customer demand for its high-performance silicon anode lithium-ion batteries,Amprius recently signed a letter of intent for an approximately 774,000 square foot facility in Brighton,Colorado that initially provides a potential of up to 5 gigawatt-hours (GWh) manufacturing capacity.

What's new at Amprius?

Amprius celebrates expansion of its state-of-the-art silicon nanowire anode megawatt hour manufacturing line. Over 90 attendees enjoyed key partner presentations on the impact of Amprius' next-generation technology and an exclusive factory tour for a preview of Amprius' future.

Will Amprius' 500 Wh/kg cell improve Zephyr's stratospheric endurance capabilities?

"We look forward to taking advantage of Amprius' 500 Wh/kg cell to further develop Zephyr's unrivalled stratospheric endurance capabilities," said Pierre-Antoine Aubourg, Chief Technical Officer at AALTO HAPS, the Airbus subsidiary developing the 100% solar-electric High Altitude Platform Station for connectivity and earth observation applications.

Amprius CEO Dr. Kang Sun highlighted the Company"s breakthrough silicon anode battery technologies and commented on the state of the lithium-ion battery industry, while CTO Dr. Ionel Stefan presented on Amprius" industry-leading commercially available high energy density SiMaxx(TM) battery cells delivering up to 450 Wh/kg and 1150 Wh/L.

June 20, 2024 - Amprius Technologies, Inc. today announced a strategic initiative to rapidly increase the global production capacity of its SiCoreTM offering through new manufacturing partnerships. ... has signed agreements with several ...

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.

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

Amprius has shipped SiMaxx(TM) A-Sample EV Cells to the United States Advanced Battery Consortium LLC (USABC). These silicon anode cells are designed to address some of the most challenging issues experienced by EV users, such as range anxiety and ...

Amprius Technologies announced that the performance of its latest lithium-ion battery cells was independently verified by Mobile Power Solutions, confirming unprecedented energy density.

Amprius is a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, and its next-generation cells are well positioned to power products in the fast-growing aviation and, eventually, electric vehicles markets, estimated to be collectively over \$100 billion in battery demand by 2025.

Our commercially available 370 Wh/kg silicon anode battery demonstrated extreme fast charge rate of 0-80% state of charge in less than six minutes. Dr. Ionel Stefan explains the proprietary ...

Our commercially available 370 Wh/kg silicon anode battery demonstrated extreme fast charge rate of 0-80% state of charge in less than six minutes. Dr. Ionel Stefan explains the proprietary silicon nanowire anode technology and the unique battery characteristics that make it well positioned to address the electric mobility market.

Independent validation confirms industry-disrupting performance capabilities of proprietary Si-Nanowire™ Anodes for vast electric mobility market. Fremont, CA - December 7, 2021 -- Amprius Technologies, Inc., the performance leader in Silicon Anode Li-Ion battery cells with its Si-Nanowire™ platform, announced a charging rate of six minutes to 80% from 0% ...

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 ...

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. ... Amprius is not ...

Amprius, August 03, 2023 - FREMONT, CA - Amprius Technologies, Inc., a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, is continuing to pioneer innovative battery technology with its newest ultra-high-power-high-energy lithium-ion battery. Leveraging the company's advanced material system capability, the ...

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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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