SOLARTECH

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European Solar Energy Storage

Airbus zephyr s energy storage battery

Overview

Will Airbus supply batteries for the Zephyr program?

“We are extremely pleased to be working with Airbus and supplying batteries for the Zephyr program,” said Jon Bornstein, COO of Amprius. “The incorporation of Amprius’ 100% silicon nanowire anode-based lithium ion batteries into the Zephyr platform represents an important validation of this technology.

Why is Amprius integrating lithium ion batteries into the Zephyr platform?

“The incorporation of Amprius’ 100% silicon nanowire anode-based lithium ion batteries into the Zephyr platform represents an important validation of this technology. Likewise, our development of high energy power cells for Urban Air Mobility will enable exciting opportunities in new aviation markets.”.

What makes Airbus Zephyr unique?

Zephyr is enabled by the latest in battery technology. Both the increase in production volumes of the new generation batteries and research for future development will be used to further the Zephyr programme and build on its market leading position. Airbus is a global leader in aeronautics, space and related services.

Was ist Airbus Zephyr S?

The final Airbus solar-powered High Altitude Platform System (HAPS) flight touched down on 13th September in Arizona, USA, ending the most ambitious and successful Zephyr flight campaign to date. Airbus Zephyr S hat in den USA seine erfolgreiche Flugtestkampagne für das Jahr 2021 abgeschlossen.

What is the Airbus Zephyr drone?

The Airbus Zephyr is an unmanned aerial vehicle (UAV) manufactured by European aerospace company Airbus. It has both potential military and civilian applications, as it allows users to enjoy high-resolution monitoring of a 12.4 by

18.6 mile area while navigating the stratosphere.

Is Zephyr a satellite?

Zephyr is currently the only one operating in the stratosphere at an average altitude of 70,000 and running exclusively on solar power, providing persistent local satellite-like services and supporting a wide range of applications and tasks.” said Jana Rosenmann, Head of Airbus Unmanned Aerial Systems.

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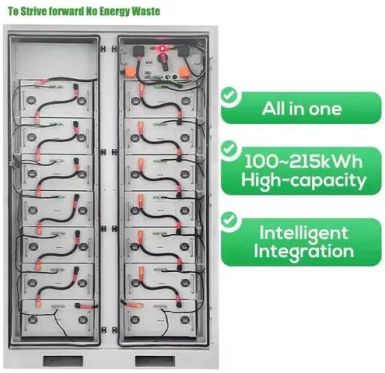

Amprius's silicon nanowire batteries power the Zephyr S HAPS ...

Battery manufacturer Amprius is supplying lithium-ion cells to Airbus's Zephyr program. Using Amprius's cells, which contain a 100% silicon anode, the Zephyr S solar-powered unmanned aerial vehicle (UAV) recently flew more than 25 days, setting a new record for stratospheric flight.

Nanowire Lithium-Ion Batteries Power Airbus Zephyr ...

Amprius, Inc. announced that the company is supplying advanced lithium-ion cells to the Airbus Defence and Space Zephyr Program. Using Amprius' cells, which contain a 100% silicon anode, the Zephyr S flew ...

AIRBUS BATTERY BOOST FOR ZEPHYR , The Engineer

Airbus Defence and Space has invested in US-based battery technology company Amprius, to boost the development of new generation batteries based on silicon nanowire anode technology.

Amprius Powers Zephyr to 67-Day World Flight Record

"Amprius' high-energy batteries provided the reliable power storage we needed to maintain Zephyr's day and night operations. Their technology was instrumental in enabling us to break our own endurance record, demonstrating that persistent stratospheric missions and capabilities are now a reality.

AALTO Zephyr Achieves World-Record 67-Day Flight Powered ...

Amprius' ultra-high-energy-density lithium-ion cells provided the critical energy storage needed to keep the Zephyr flying through multi-night cycles in the thin air of the stratosphere.

Our Batteries Power Airbus Zephyr Aircraft , Amprius

SUNNYVALE, Calif., -- Amprius, Inc., a leading manufacturer and developer of high energy and high capacity lithium-ion batteries, announced today that the company is supplying advanced lithium ion cells to the Airbus Defence and Space Zephyr Program.

Amprius' Silicon Nanowire Lithium Ion Batteries Power Airbus Zephyr S

Amprius, Inc. is supplying advanced lithium ion cells to the Airbus Defence and Space Zephyr Program. Using Amprius' cells, which contain a 100 percent silicon anode, the Zephyr S flew more than 25 days, setting a new endurance ...

Amprius' silicon nanowire lithium ion batteries power Airbus Zephyr S

Using Amprius' cells, which contain a 100% silicon anode, the Zephyr S flew more than 25 days, setting a new endurance and altitude record for stratospheric flight.

Nanowire Lithium-Ion Batteries Power Airbus Zephyr S HAPS ...

Amprius, Inc. announced that the company is supplying advanced lithium-ion cells to the Airbus Defence and Space Zephyr Program. Using Amprius' cells, which contain a 100% silicon anode, the Zephyr S flew more than 25 days, setting a new endurance and altitude record for stratospheric flight.

HAPS Aircraft Sets 67-Day Continuous Flight Record Powered by ...

Amprius' high-energy batteries provided the reliable power storage we needed to maintain Zephyr's day and night operations. Their technology was instrumental in enabling us to break our own endurance record, demonstrating that persistent stratospheric missions and capabilities are now a reality.

Airbus partners with Amprius, leader in high energy density battery

Airbus Defence and Space's investment will help

drive the development of higher volume production capacity along with higher energy density cells for Airbus Defence and Space aerospace programmes, including the Zephyr High Altitude Pseudo Satellite and Urban Air Mobility innovation initiatives.

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