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What are ABSL batteries?

ABSL(TM) batteries are the world's leading range of Lithium-ion (Li-ion) batteries for space applications. ABSL batteries undergo stringent design, structural and thermal analysis to ensure that their performance meets and exceeds the most demanding requirements for man-rated, high-voltage and long-life missions. [Request a Quote](#)

Is ABSL a reliable lithium ion?

ABSL has demonstrated in orbit the most reliable Lithium-ion products currently available for the space market by accumulating over 37,000 cell years of space operation without failure. ABSL has been active in the space industry since the 1960's.

Are ABSL batteries safe for manned space missions?

Manned space missions such as these require battery power sources to be, above all, safe and ABSL's high performance batteries are designed with multiple levels of redundancy that can maintain functionality under various failure scenarios in order to ensure safety is never compromised.

Why should you choose ABSL for space energy storage?

ABSL has highly varied space energy storage capability having delivered primary, secondary, high power, high energy and high voltage solutions to the space industry.

When did ABSL launch a battery?

On February 24, 2011, the four battery assemblies were launched aboard shuttle Discovery on its last mission to rendezvous with the ISS, the second space launch of ABSL Colorado-built battery hardware. Earlier this year, ABSL delivered a battery to an undisclosed client for a space flight.

What does ABSL do?

As the space industry's leading supplier of Li-ion batteries, ABSL has delivered on hundreds of projects and programs. The Parker Solar Probe spacecraft will travel at 125 miles per second as it flies through the sun's atmosphere as close as 3.8 million miles to our star's surface.

EnerSys (NYSE: ENS), the global leader in stored energy solutions for industrial applications, announced that its recently acquired ABSL Space Products (ABSL) business had ...

EnerSys ABSL(TM) supplied the longest operating rechargeable Li-ion battery in space, the first to orbit Earth, Mars and Venus, the closest to orbit the sun and trusted to power the James Webb ...

EnerSys" ABSL(TM) lithium-ion space batteries are renowned for their versatility and durability, offering unique features like deep discharge cycles, long lifespan, and the ability to withstand extreme vibrations. The



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ABSL(TM) space battery technology has been used in over 300 spacecraft and launch vehicles. [click here to view the full press release](#)

ABSL Power Solutions Ltd, including its space group ABSL Space Products, was acquired in 2011 by the US company EnerSys, a global leader in stored energy solutions for industrial applications. EnerSys believes that lithium batteries ...

It is a record that supports the quality and reliability to ensure the success of every space flight mission. Pioneering EnerSys's ABSL(TM) rechargeable Lithium-ion (Li-ion) batteries were the first onboard a mission in space, the first to orbit the Earth, Mars and Venus, and have been influential in powering the National Aeronautics and Space Administration (NASA's) Parker Solar Probe ...

EnerSys's ABSL Battery Successfully Launched On NASA's Europa Clipper Spacecraft **READING, Pa., Oct. 31, 2024 (BUSINESS WIRE)** - EnerSys (NYSE: ENS), the global leader in stored energy solutions for industrial applications, is proud to announce that its ABSL(TM) lithium-ion space battery was successfully launched onboard NASA's Europa Clipper spacecraft.

ABSL(TM) Space Batteries ABSL(TM) batteries are the world's leading range of Lithium-ion (Li-ion) batteries for space applications. ABSL batteries undergo stringent design, structural and thermal analysis to ensure that their ...

ABSL (TM) CM2300 - 8s40p P20 28V 80Ah. Fully qualified for space applications, this battery has been utilised for a variety of missions such as ESA LEO, communications and national ...

ABSL TM Cell 18650HCM Configurations 8s10p* Nameplate Capacity 15 Ah Energy 432 Wh Mass 4.4 kg Footprint 235 x 174 mm Height 98 mm ... Visit us at [*Can be provided in a low magnetic signature configuration Product Data Sheet Li-ion Rechargeable Battery ABSL 8s10p 28V 15Ah . Dosage Effects](#)

EnerSys ABSL(TM) supplied the longest operating rechargeable Li-ion battery in space, the first to orbit Earth, Mars and Venus, the closest to orbit the sun and trusted to power the James Webb Telescope. With a proven delivery track record, EnerSys ABSL(TM) batteries have logged over 6.5 billion cell hours in space without a mission failure. ...

READING, Pa., March 8, 2011 /PRNewswire/ -- EnerSys (NYSE: ENS), the global leader in stored energy solutions for industrial applications, announced that its recently acquired ABSL Space Products ...

Pioneering EnerSys's ABSL(TM) rechargeable Lithium-ion (Li-ion) batteries were the first onboard a mission in space, the first to orbit the Earth, Mars and Venus, and have been influential in powering the National Aeronautics and Space ...

EnerSys's ABSL Battery Successfully Launched On NASA's Europa Clipper Spacecraft. [Read more ...](#)



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Iceland, the Faroe Islands and Greenland; EnerSys®; Supports National Forklift Safety Day 2022; EnerSys®; Celebrates Grand Opening of its Expanded Richmond, Kentucky Distribution Center;

EnerSys® ABSL(TM) lithium-ion space batteries are renowned for their versatility and durability, offering unique features like deep discharge cycles, long lifespan, and the ability ...

ABSL(TM) rechargeable Lithium-ion (Li-ion) batteries were the first onboard a mission in space, the first to orbit the Earth, Mars and Venus, and have been influential in powering the

three lines of business. More information regarding EnerSys can be found at . ABOUT ABSL SPACE PRODUCTS ABSL is a world leader in the supply of Lithium-ion batteries for space applications with contracts for over 300 spacecraft and launch vehicles. ABSL supplied the first rechargeable Lithium-ion battery flown in space.

EnerSys®; the global leader in stored energy solutions for industrial applications, is excited to announce our partnership with Orogenic ApS, who will now handle all sales and distribution of Motive Power products in Denmark, Iceland, the Faroe Islands and Greenland.

ABSL(TM) Space Batteries ABSL(TM) batteries are the world's leading range of Lithium-ion (Li-ion) batteries for space applications. ABSL batteries undergo stringent design, structural and thermal analysis to ensure that their performance meets and exceeds the most demanding requirements for man-rated, high-voltage and long-life missions. Request ...

18 November 2024 EnerSys®; to Showcase Advanced Battery Management at 2024 North American ISSA Show EnerSys will showcase its premium portfolio of floor care power solutions in booth 3064 at ISSA Show North America 2024, including the company's recently launched iQ Mini(TM) battery monitoring device, along with their maintenance-free NexSys®; TPPL (Thin ...

the commercial launch service market. ABSL batteries will power the flight termination, pyrotechnic, avionic and thrust vector control systems. EARTH OBSERVATION EnerSys ABSL(TM) large-format, Li-ion batteries are space-qualified to survive extreme temperatures, shocks and vibration. These unique cells deliver long-life, low-fade

EnerSys "announces that its ABSL lithium-ion space battery was successfully launched onboard NASA's Europa Clipper spacecraft. The launch took place on October 14, 2024, aboard a SpaceX Falcon ...

ABSL Space Batteries EnerSys is the leading global supplier of lithium-ion batteries for space applications where space heritage, innovation, and a proven delivery track record come together to produce market-leading batteries.

Based in Culham since its formation EnerSys ABSL pioneered the first European Space Agency lithium-ion



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powered Satellite, PROBA-1, in the early 2000s. Acquired by EnerSys in 2011 the site continues to service the global space industry providing battery and power solutions to international and national space agencies. The company boasts in ...

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