



Energys absl Lesotho

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

Are EnerSys lithium-ion space batteries good?

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 ABSL(TM) space battery technology has been used in over 300 spacecraft and launch vehicles. About EnerSys

Who is EnerSys?

About EnerSys EnerSys is the global leader in stored energy solutions for industrial applications and designs, manufactures, and distributes energy systems solutions and motive power batteries, specialty batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

Does EnerSys have a space battery?

READING, Pa., October 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.

What type of battery does EnerSys use?

EnerSys' ABSL(TM) lithium-ion space battery powers the spacecraft's flight and scientific instrumentation. The battery, consisting of three 8s72p modules connected in parallel, provides over 540 ampere-hours of capacity through a 28-volt system, performing various charge and discharge cycles throughout the mission's duration.

How has EnerSys improved the life of a satellite?

Since building the first Lithium-ion (Li-ion) battery to power a satellite, technological breakthroughs from EnerSys have extended satellite operational life and have lengthened the life of space missions to benefit our scientific communities.

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



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Energys" ABSL Batteries Successfully Delivered to the International Space Station March 8, 2011
READING, Pa., March 8, 2011 /PRNewswire via COMTEX/ --Energys (NYSE: ENS), the global leader in stored energy solutions for industrial applications, ...

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ABSL has been active in the space industry since the 1960's. During the 1980's ABSL was the largest non-US subcontractor to the United States Strategic Development Initiative (SDI). More recently effort has been focused on ABSL power and optical products, including infrared calibration systems. Caution Concerning Forward-Looking Statements

ABSL Power Solutions Ltd, including its space group ABSL Space Products, was acquired in 2011 by the US company Energys, a global leader in stored energy solutions for industrial applications. Energys believes that lithium batteries represent a significant growth driver for the coming years, complementing the growth of its existing business in ...

Energys 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, Energys ABSL(TM) batteries have logged over 6.5 billion cell hours in space without a mission failure. ...

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 ...

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Based in Culham since its formation Energys ABSL pioneered the first European Space Agency lithium-ion powered Satellite, PROBA-1, in the early 2000s. Acquired by Energys in 2011 the site continues to service the global space industry providing battery and power solutions to international and national space agencies. The



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It is a record that supports the quality and reliability to ensure the success of every space flight mission. Pioneering EnerSys® 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®;) Parker Solar Probe ...

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