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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.

Who is EnerSys?

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.

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.

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.

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.

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

Only Express batteries are engineered and manufactured specifically for fast charging and long life. With exclusive Square Tube Technology, heavy duty components and factory installed watering systems, Express batteries will: run ...

Workhog batteries by EnerSys, are available in sizes to fit vehicles from small personnel carriers up to the largest 100,000-lb. lift truck. We've made a great battery even better. The latest generation of Workhog



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batteries, rated at 75, 90 and 125 amp hour, are the most powerful "standard" rated batteries on earth. ... ABSL Space Batteries ...

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. ...

ABSL 8s52p 28V 78Ah Facts at a Glance ABSLTM Cell 18650HCM Configuration 8s52p Nameplate Capacity 78 Ah Energy 2246 Wh Mass 22.8 kg Footprint 295 x 355 mm ... Visit us at Dosage Effects < 1Mrad Negligible Up to 18Mrad ~5% of Capacity Non-Operating Operating-20°C to 60°C Discharge: -5°C to 45°C

EnerSys is the global leader in stored energy solutions for industrial applications. We manufacture and distribute reserve power and motive power batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

READING, Pa., October 31, 2024--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 ...

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 ...

Located along Northern Colorado's Front Range, the ABSL U.S facility is headquartered in Longmont, CO. Since establishing its original US facility in 2008, ABSL soon joined the EnerSys family in 2011 and has since led the U.S. Space industry in providing high quality and high-performance lithium-ion batteries designed specifically for Space.

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 ...

When you purchase a HUP Battery from EnerSys, you are eligible to enroll in our Power Payback Program. Five years after you purchase a HUP Battery, we'll credit you with 15% of the original purchase price when you purchase a new ...

ABSL(TM) Space Batterien ABSL(TM)-Batterien sind die weltweit führenenden Lithium-Ionen-Batterien (Li-Ionen-Batterien) für Raumfahrtanwendungen. ABSL-Batterien werden strengen Konstruktions-, Struktur- und thermischen Analysen unterzogen, um sicherzustellen, dass sie auch die anspruchsvollsten Anforderungen an längerfristige bemannte Raumfahrtmissionen, bei denen ...



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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 represent a significant growth driver for the coming years, complementing the growth of its existing business in ...

EnerSys Advanced Systems (EAS) has locations in both the US and in Europe that focus primarily on lithium-ion technologies. EAS designs and produces batteries for a wide variety of applications including military, space, medical, ...

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

Only Express batteries are engineered and manufactured specifically for fast charging and long life. With exclusive Square Tube Technology, heavy duty components and factory installed watering systems, Express batteries will: run cooler, live longer, deliver the most capacity of any fast charge battery. Express batteries deliver maximum productivity, allowing your trucks to ...

DataSafe XE batteries provide increased power density for modern critical UPS applications. DataSafe XE batteries are the first specifically designed to meet the evolving needs of today's data center requirements.

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 ...

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 ...

When you purchase a HUP Battery from EnerSys, you are eligible to enroll in our Power Payback Program. Five years after you purchase a HUP Battery, we'll credit you with 15% of the original purchase price when you purchase a new HUP Battery. Along with the HUP warranty, the best in the industry, the Power Payback Program assures you of ...

EnerSys 2366 Bernville Road Reading, PA 19605 USA. Products; Catalogues; Press Release; White Papers; Videos; Profile. Genesis EP Batteries. Since its introduction in the early 1990's, the Genesis EP thin plate pure lead (TPPL) battery has established itself as a premium high performance battery suitable for a wide range of demanding ...



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