

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](#)

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.

How many spacecraft are powered by ABSL lithium ion batteries?

ABSL supplied the first rechargeable Lithium-ion battery flown in space. Today, over 250 spacecraft are powered by ABSL Lithium-ion battery technology. The National Aeronautics and Space Administration is America's civil space program and the global leader in space exploration.

Where can I find more information about EnerSys?

More information regarding EnerSys can be found at [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.

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.

What cell does ABSL use?

Driven by a passion for the space industry, ABSL is unmatched and solely committed to serving this market. ABSL utilizes the Sony 18650HC Lithium-ion cell for a majority of its missions. The Sony cell is the most characterized and space proven available.

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 ...

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

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 ...

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 ...

READING, Pa., Dec. 28, 2021 (GLOBE NEWSWIRE) -- EnerSys (NYSE:ENS), the global leader in stored energy solutions for industrial applications, is proud to announce the ...

ABSL. TM. Cell P20 Topology 36s4p Voltage Range (V) 151.2 - 108.0 Nameplate Capacity 8 Ah Energy 1066 Wh Footprint 209 x 362 mm Height 115 mm Mass (kg measured) 8.4. Celebrating customer success with . over 5.5 billion cell hours of in-orbit . heritage using ABSL(TM) Li-ion cell . technology. 360 207.1 77.1 113.2 76.6. Visit us at. ...

Pioneering EnerSys (NYSE:ENS) 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 ...

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 ...

It is a record that supports the quality and reliability to ensure the success of every space flight mission. Pioneering EnerSys (NYSE:ENS) 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 ...

ABSL(TM) Space Batterien ABSL(TM)-Batterien sind die weltweit führenden 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 ...

NECESITA AYUDA PARA ENCONTRAR LA MEJOR SOLUCIÓN? Póngase en contacto con nosotros y podremos desarrollar una solución específica para satisfacer sus necesidades de energía almacenada.

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(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 ...

Successfully powering spacecraft since 2000, world-renowned EnerSys ABSL(TM) products provide market-leading Li-ion battery solutions.

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 ...

READING, Pa., Dec. 28, 2021 (GLOBE NEWSWIRE) -- EnerSys ® (NYSE:ENS), the global leader in stored energy solutions for industrial applications, is proud to announce the successful integration of its ABSL(TM) Lithium-ion (Li-ion) batteries into the National Aeronautics and Space Administration (NASA) James Webb Space Telescope launch. As the successor to the iconic ...

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 ...

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. [click here to view the full press release](#)

ABSL 8s16p 28V 56Ah Leading the industry without failure for over 20 years of continuous ... Visit us at Facts at a Glance ABSLTM Cell 18650 E35 Configuration 8s16p Nameplate Capacity 56 Ah Nameplate Energy 1628 Wh Maximum Discharge Current (continuous) 25 A

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 UK Office Publication No: US-ABSL-1-AA August 2017 Building F4, Culham Science Centre Abingdon, England OX14 3ED Tel: +1-44-1865-408-710 / +1-44-7968-707-561 EnerSys World Headquarters 2366 Bernville Road Reading, PA 19605, USA Tel: +1-610-208-1991 / +1-800-538-3627 ABSL US Office 1751 S. Fordham Street, Suite 100 Longmont CO 80503 Tel ...

READING, Pa., Dec. 28, 2021 (GLOBE NEWSWIRE) -- EnerSys® (NYSE:ENS), the global leader in stored energy solutions for industrial applications, is proud to announce the successful ...

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 ...

ABSL supplied the first rechargeable Lithium-ion battery flown in space. Today, over 250 spacecraft are powered by ABSL Lithium-ion battery technology. ABOUT NASA

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

ABSL 8s10p 28 V 35 Ah Leading the industry without failure for over 20 years of continuous ... Visit us at Facts at a Glance ABSLTM Cell 18650 E35 Configuration 8s10p Nameplate Capacity 35 Ah Energy 1017 Wh Maximum Discharge Current (continuous) 13A Nominal Mass 4.8 kg

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

ABSL 3s4p 10.8V 11.6Ah Facts at a Glance ABSLTM Cell 18650A Configuration 3s4p Connector 51 Position Mico-D Nameplate Capacity 11.6 Ah ... Visit us at Non-Operating Operating 0°C to 40°C Discharge: 0°C to 40°C Charge: 0°C to 40°C Frequency (Hz) PF SRS Level Test Q = 10 100 99g 160 195g 3,200 1363g

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

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