



# Chad enerSys absl

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](#)

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.

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.

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.

Who makes EnerSys batteries?

EnerSys was selected by Northrop Grumman in 2012 to provide ABSL(TM) 8s44p rechargeable Li-ion batteries with disconnect relays for Webb, and then awarded a second contract in 2018 for an additional 8s44p battery, tailored to incorporate alternate cell chemistry.

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](#)

David Shaffer Shawn O'Connell Chad Uplinger Mark Matthews Andrea Funk Joern Tinnemeyer Philipp Michalsky Joseph Lewis Patrice Baumann Shannon Thomas Jamie Gebbia LEADERSHIP ... [PowerSafe](#); [DataSafe](#); [IRONCLAD](#); [Cyclon](#); [Hawker](#); [SuperSafe](#); [Genesis](#); [Express](#); [Fiamm Motive Power](#); [Quallion](#); ABSL ... EnerSys Industries.

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



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batteries.

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.

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 ...

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.

6.5 billion cell hours in space and counting. Pioneering EnerSys ABSL(TM) products are the space industry's most demonstrated Li-ion 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.

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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 in its orbit of the sun.

EnerSys ABSL Li-ion Space Battery. Successfully powering spacecraft since 2000, world-renowned EnerSys ABSL(TM) products provide market leading Li-ion battery solutions. Whether for SmallSat applications for new space missions or large multi-module battery configurations for cornerstone space agency programmes, EnerSys Space can provide the ...

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Located along Northern Colorado's Front Range, the ABSL U.S facility is headquartered in Longmont, CO.



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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.

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 ...

ABSL The 1st lithium-ion battery to orbit Venus (ESA's Venus Express) ABSL The 1st lithium-ion battery to power a NASA spacecraft (NASA's ST -5) EnerSys acquired Quallion. ABSL & Quallion combine space technologies EnerSys Headquarters: Reading, PA (US Owned Company) ABSL - Quallion- EnerSysAdvanced Systems Aerospace Application



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