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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

How long have EnerSys batteries been in space?

With a proven delivery track record, EnerSys ABSL(TM) batteries have logged over 6.5 billion cell hours in space without a mission failure. Successfully powering spacecraft since 2000, world-renowned EnerSys ABSL(TM) products provide market-leading Li-ion battery solutions.

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 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.

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.

Pioneering ABSL products are the space industry's most demonstrated Li-ion batteries. They were the first rechargeable Li-ion batteries flown in space, the first to orbit Earth, Mars and Venus, and the closest to orbit the sun. With contracts for over one hundred projects and a proven delivery track record, ABSL batteries have logged 2.8 ...

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

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 is a world leader in the supply of Lithium-ion batteries for space applications with contracts for over



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300 spacecraft and launch vehicles. ABSL supplied the first rechargeable Lithium-ion ...

MANUFACTURING LOCATIONS - Click the link below to find out more about your nearest EnerSys® manufacturing location. Skip to Content United States of America . English. CONTACT US ABOUT US. Main Menu ... PowerSafe®; ...

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 ...

EnerSys® 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.

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" ABSL 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

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) 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. ...

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 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.



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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](#)

