



GS Yuasa Surpasses 5,000,000 Watt-Hours of Li-ion Energy Storage in Space

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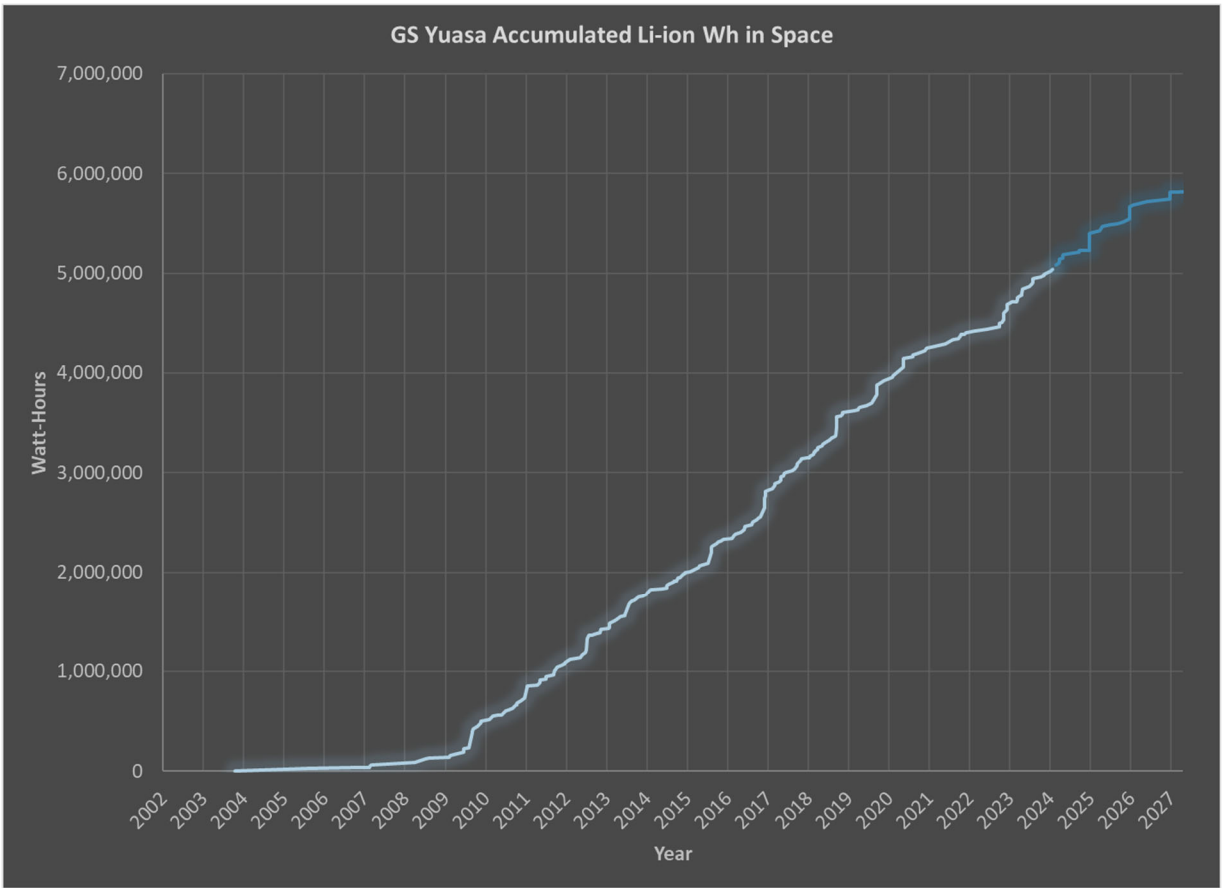
Roswell, GA - GS Yuasa proudly announces a significant milestone as our “LSE” portfolio of Lithium-ion Cells have surpassed over 5.0MWh of Lithium-ion energy storage flow in space. Enabled through the collaborative efforts of our many partners, this makes GS Yuasa the first manufacturer of large format Li-ion cells to reach this milestone.

The 5.0MWh barrier was exceeded with the recent launch of the Northrop Grumman’s Cygnus Spacecraft, NG-20, as part of NASA’s Commercial Resupply Service-2 Contract. The Cygnus vehicle is powered by GS Yuasa Technology’s (GYT) LSE190 Li-ion cells which are integrated into batteries manufactured by GS Yuasa Lithium Power (GYLP).

“This milestone represents the continued confidence our customers place in GS Yuasa’s products and solutions,” explained Tom Pusateri, Director of Business Development for GYLP. “We deeply value our partners and aim to remain their trusted source for energy storage solutions in critical applications. As competition in this industry intensifies with the decreasing barrier to access space, we will continue to offer a compelling value and performance across the spectrum of spacecraft power classes.”

First introduced in 1998 the “LSE” Li-ion cells were specifically designed for the unique environments and demanding duty cycles of aerospace applications. For more than 25 years, GS Yuasa space cells have earned a reputation for delivering exceptional performance and value in critical commercial communication, remote sensing, scientific, defense and human rated applications.





The unique capability to customize battery systems using cells of the “LSE” pedigree sets them apart from repurposed terrestrial commercial cells (COTS cells). This enables GS Yuasa to provide tailored solutions for critical missions without the need for battery oversizing to meet design life requirements, some exceeding 20 years. As a result, our high-specific-power batteries assist customers in achieving power system mass targets, reducing launch costs, and minimizing program insurance expenses. This is particularly crucial as operators transition from single large spacecraft to a more distributed and optimized satellite network.

All GS Yuasa Li-ion cells for space share the same basic chemistry, design, materials, construction and manufacturing processes and have consistently been built to the most rigorous aerospace quality standards. Combining this with a strong emphasis for supplier management and configuration control has resulted in exceptionally high cell reliability as evidenced by the support of over 250 space vehicles operating in a myriad of orbits with no cell failures.

With volumes of life and performance data available and a solid connection between industry leading spaceflight heritage without failure and the Li-ion cells offered today, GS Yuasa’s value proposition is stronger now than ever.

To learn more about GS Yuasa’s LSE family of Li-ion cells for space, please contact GS Yuasa Lithium Power, Inc

About GS Yuasa Corporation

GS Yuasa Corporation was established in 2004 by the merger of Japan Storage Battery Co., Ltd and YUASA Battery. GS Yuasa develops and manufactures batteries and power supply systems for a wide range of special applications. The company's high-performance, high-quality batteries are installed in sea, land, and aerospace environments, from depths of 6,500 meters below the ocean surface to 36,000 kilometers in space.

<http://www.gs-yuasa.com/jp/> (Japanese)

<https://www.gs-yuasa.com/us/> (English)

About GS Yuasa Technology, LTD (GYT)

GS Yuasa Technology is a subsidiary of GS Yuasa Corporation located in Kyoto, Japan. GYT designs and manufactures large format lithium ion cells for aerospace and specialty applications.

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About GS Yuasa Lithium Power (GYLP)

GS Yuasa Lithium Power, Inc. is the United States subsidiary of GS Yuasa focused on large format lithium ion battery system manufacturing for US customers. Primary products are lithium-ion battery systems for aerospace, defense, commercial, and industrial applications. <http://gsyuasa-lp.com/>

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