



GS Yuasa Lithium Power Successfully Delivers EaglePicher Technologies' Order for Generation 4 LSE112 Li-ion Cells for Space

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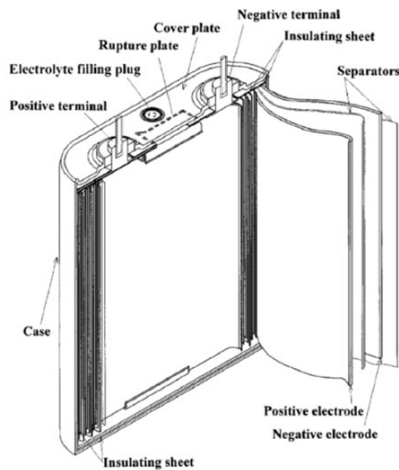
Roswell, GA – GS Yuasa Lithium Power (GYLP) has delivered an order of Generation 4 LSE112 lithium-ion cells (112Ah, 3.75V nominal) to EaglePicher Technologies. This delivery marks the first use of GS Yuasa's Generation 4 space-optimized chemistry in a North American flight program and highlights the ongoing partnership between GYLP and EaglePicher to provide reliable, advanced aerospace cell and battery technology.

The LSE112 cell features GS Yuasa's Generation 4 LCO/Graphite-based chemistry with a power-optimized electrode design. It is built for long-life performance in high-power duty cycles, such as 40% depth of discharge (DOD) of nameplate capacity in low Earth orbit (LEO) for over ten years.

Since introducing the "LSE" lithium-ion cell line in 1998, GS Yuasa has tested each of its four generational updates to meet the life and performance demands of most spacecraft missions. This testing additionally supports GS Yuasa's proprietary life and performance modeling. With this tool and in collaboration with end users, GYLP helps inform cell selection and optimal battery sizing to meet each mission's unique end-of-life requirements.

The Generation 4 "LSE" cells retain the same physical construction as previous generations, making them fully compatible with existing battery designs. They are available in energy-optimized or power-optimized electrode configurations to suit diverse mission needs. GS Yuasa maintains long-term material availability and configuration control to ensure consistent, reliable performance across programs.

This delivery strengthens GS Yuasa Lithium Power's track record of providing dependable Li-ion cells for spaceflight. For more information about the "LSE" family of cells, contact GS Yuasa Lithium Power, Inc.



Energy Type Cells

Generation 4	Nameplate Capacity	Width (mm)	Height (mm)*	Thickness (mm)	Status
LSE60	60Ah, 225Wh	130	123	50	Qualified
LSE122	122Ah, 458Wh	130	208	50	Development
LSE160	160Ah, 440Wh	130	263	50	Qualified
LSE205	205Ah, 769Wh	165	263	50	Qualified

*Not including terminals

**Estimated

Power Type Cells

Generation 4	Nameplate Capacity	Width (mm)	Height (mm)*	Thickness (mm)	Status
LSE12x	12Ah, 45Wh	133	68.2	21	Qualified
LSE56**	56Ah, 210Wh	130	123	50	Development
LSE112	112Ah, 420Wh	130	208	50	Qualified
LSE147	147Ah, 551Wh	130	263	50	Qualified
LSE193**	193Ah, 724Wh	165	263	50	Development

*Not including terminals

**Estimated

The Generation 4 cell line-up consists of the heritage case form factors as identified in the tables above. Each of the case sizes have been built and qualified. Additionally, a new smaller form factor case is applied to the [LSE12x Generation 4 cell](#).

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.

About EaglePicher Technologies

EaglePicher Technologies, designs, develops and produces mission-critical power solutions. EaglePicher is an industry leading producer of batteries, battery management systems and energetic devices. For 100 years, the company has served highly demanding requirements for space, aviation and defense battery applications. EaglePicher has eight North American manufacturing and research and development sites and employs over 700 team members. For more information, please visit www.eaglepicher.com.

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/en/> (English)

About GS Yuasa Technology, LTD (GYT)

GS Yuasa Technology is a subsidiary of GS Yuasa Corporation located in Kyoto, Japan. GYT designs and manufacturers 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, undersea, and defense applications. <http://gsyuasa-lp.com/>

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