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GS Yuasa Corporation



**GS Yuasa Receives Lithium-ion Battery Order
for International Space Station**

GS Yuasa Corporation (Tokyo Stock Exchange: 6674) announced today that its wholly owned subsidiary, GS Yuasa Lithium Power, Inc., has received an order from Pratt & Whitney Rocketdyne (“PWR”; NYSE: UTX) to supply lithium-ion batteries for the International Space Station.

The International Space Station is currently powered by nickel-metal hydride batteries. PWR will replace the existing batteries with GY Yuasa’s lithium-ion batteries. As its power source, the lithium-ion batteries will make a significant contribution to the ongoing operation of the International Space Station.

Over the past several years, the U.S. National Aeronautics and Space Administration (NASA) and PWR have conducted evaluations of GS Yuasa’s technological and manufacturing capabilities, as well as the performance and quality of the company’s lithium-ion batteries. The recent order reflects GS Yuasa’s ability to meet their high standards.

GS Yuasa newly developed the lithium-ion batteries (model: LSE134; rated capacity: 134Ah) specifically for the International Space Station’s power requirements. The mass and volumetric energy densities of the batteries are around three times higher than those of the nickel-metal hydride batteries currently used. The batteries are expected to power the International Space Station for more than a decade.

GS Yuasa has established itself as a world-class manufacturer of lithium-ion batteries for aerospace applications. The company supplies its batteries to many of the world’s leading satellite manufacturers and boasts a perfect track record in operating performance in space.

LSE134 Specifications

Item	Specification	Reference
Rated capacity (Ah)	134	
Voltage (V)	3.7	
Dimensions (mm)	130x50x263 (WxTxH)	(H) does not include the terminal height
Mass (kg)	3.53	

Images

1. International Space Station



2. LSE134 lithium-ion battery ordered for International Space Station

