



**GS Yuasa's Automotive Lithium-ion Batteries Adopted in
Toyota Motor's Hybrid Synergy Drive System for First Time
-Batteries Delivered for Use in New Model "Harrier"-**

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") today announced that its automotive lithium-ion battery EHW4S has been adopted for the first time in the Hybrid Synergy Drive system of Toyota Motor Corporation (President and Representative Director: Akio Toyoda; Head Office: Toyota City, Aichi Prefecture) and has been installed in the new Harrier hybrid model launched on June 17, 2020.

The EHW4S cells and modules are manufactured by GS Yuasa Group company Blue Energy Co., Ltd. (President: Masahisa Mizutani; Head Office: Kyoto; "Blue Energy").

When developing the EHW4S cell, GS Yuasa employed enhanced resistance-reduction technologies to optimize battery energy for hybrid vehicle applications. As a result, the EHW4S cell is more than 10% lighter and 20% smaller while maintaining input and output power.

GS Yuasa established Blue Energy in 2009 as a joint venture tasked with the development, production, and sale of high-performance lithium-ion batteries for hybrid vehicles. To date, Blue Energy has provided a steady supply of batteries installed in more than 1.2 million hybrids. This impressive track record and Blue Energy's advanced technological capabilities are contributing to the popularization of environment-friendly vehicles.

[EHW4S cell specifications] (GS Yuasa data)

Model name		EHW4S
Capacity (Ah) ^{*1}		3.7
Voltage (V)		3.6
Dimensions (mm) ^{*2}		W120.0×D12.5×H65.0
Weight (kg)		0.19
Operating temperature	Discharge	-40°C to 55°C
	Charge	-30°C to 55°C
Storage temperature		-40°C to 65°C
Maximum current (A) ^{*3}		300

*1 Capacity at charging voltage of 4.1V

*2 Case dimensions

*3 Depends on the specified range of temperature and time

[Photographs]

1. The new Harrier hybrid model



2. EHW4S cell and module

