

News Release

August 28, 2012

GS Yuasa Corporation



**GS Yuasa Launches Production and Sales of Lead-acid Storage Batteries
for Idle-stop Vehicles
— Installed in the Mirage at Mitsubishi Motors Corporation’s production
base in Thailand —**

GS Yuasa Corporation (Tokyo Stock Exchange: 6674) announced today that lead-acid storage batteries for idle-stop vehicles manufactured by Siam GS Battery Co., Ltd., a subsidiary of GS Yuasa, have been adopted by Mitsubishi Motors Corporation (Tokyo Stock Exchange: 7211) for its Mirage^{*1}, a new global compact car released in Japan on August 31, 2012.

As part of its global strategy, Mitsubishi Motors commenced manufacture of the Mirage, a compact car that adopts fuel efficiency technologies, in Thailand in April 2012. In the past, GS Yuasa has only manufactured lead-acid storage batteries for idle-stop vehicles in Japan. With this development, these batteries will be manufactured by Siam GS Battery Co., Ltd., which is GS Yuasa’s base in Thailand, and delivered to Mitsubishi Motors’ base nearby. This is the first time that the GS Yuasa Group has manufactured and delivered these types of batteries to a car manufacturer overseas.

The Q-85 model lead-acid storage battery for idle-stop vehicles adopted by Mitsubishi Motors will make a significant contribution to fuel efficiency improvements for the Mirage, which will boast a fuel economy rating of 27.2 km per liter, making it the most fuel-efficient registered gasoline-engine car in Japan^{*2} (JC08 drive-mode fuel economy rating verified by Ministry of Land, Infrastructure, Transport and Tourism).

*1. Grade M and G, which are equipped with an “Auto-Stop and Go” idle-stop feature

*2. According to studies conducted by Mitsubishi Motors, as of August 1, 2012

Characteristics of GS Yuasa's lead-acid storage batteries for idle-stop vehicles

1. High input and output performance through the use of thin-plate manufacturing technology
Technology that improves input and output performance of batteries by using a multitude of thin plates and reducing internal resistance.
2. High charge acceptance performance through the use of carbon technology
Technology that improves acceptance performance through optimizing the amount of carbon added to the negative plate.
3. High durability performance through the use of long-life technology
Technology that achieves longer battery life through the use of a highly durable grid and high-density active materials for positive plates

Explanation of Battery Specifications

Q-85: This is a lead-acid storage battery for idle-stop vehicles as stipulated in specification S0101:20006 released by the Battery Association of Japan, with Q referring to the outer dimensions category, and 85 referring to the performance rank. The outer dimensions and electrode specifications conform to the Japanese Industrial Standard for D23 batteries.

Q-85 lead-acid storage battery specifications

Outer dimensions (mm)	Total height (maximum)	225
	Case height	200
	Width	171
	Length	230
Weight (kg)	Approximately 17.6	
Nominal voltage (V)	12	
Nominal capacity (Ah)	52 (5 hour rate)	

Overview of Siam GS Battery Co., Ltd.

1. Company name	Siam GS Battery Co., Ltd		
2. Established	July 11, 1966		
3. Head office	Samut Prakan Province, Thailand (south of Bangkok)		
4. Capital	THB 56 million		
5. Ownership and ownership ratio	GS Yuasa Corporation		39%
	Siam Motors Group		51%
	Others		10%
6. Business description	Manufacture and sales of lead-acid batteries for automobiles and motorcycles		

Image
Mitsubishi Motors' Mirage

