News Release
Feb 24, 2015
GS Yuasa Corporation

GS Yuasa Launches Operations of 1 MW-Output GS Yuasa Gunma Photovoltaic Power Plant!

- 100 kWh Storage Battery System Enables Power Supply During Disasters -

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") has constructed the 1 MW-output GS Yuasa Gunma Photovoltaic Power Plant on idle land within the Gunma Plant (Isesaki City, Gunma Prefecture).

Operations were commenced after construction was completed free of occupational injuries and accidents, and the opening ceremony was held at the Gunma Plant on February 23.

GS Yuasa Gunma Photovoltaic Power Plant uses the Feed-in Tariff System for Renewable Energy to sell the power generated to Tokyo Electric Power Company. In addition, because the plant is equipped with an independent operation output function and 100 kWh high capacity lithium-ion battery, 100 kW of power supply to the plant is possible as an emergency power source in the event of a power outage.

Continuing from Iwaki Yuasa Photovoltaic Power Plant that started operating from June 2013, GS Yuasa Gunma Photovoltaic Power Plant will be the second mega solar power plant owned by GS Yuasa. A special website that provides information on the operation status of GS Yuasa Gunma Photovoltaic Power Plant including power generation volume is currently being created within the GS Yuasa website, and it is scheduled for release in March.

In addition, operations have proceeded smoothly at the recently completed Iwaki Yuasa Photovoltaic Power Plant, and the total power generation since operations were commenced has reached approximately 2 million kWh (as of February 23).

GS Yuasa Group provides means for the effective use of renewable energy including systems for supplying power in the event of a power outage from a disaster or other causes through the combination of solar power generation and storage batteries. GS Yuasa will continue to flexibly respond to various need such as power fluctuation absorbing, peak cutting and peak shifting going forward.

Characteristics of GS Yuasa Gunma Photovoltaic Power Plant

1. Because the plant is equipped with a 300 kW independent operation output function, power supply is possible through photovoltaic panel power generation in the event of a power outage from a disaster or other causes.

2. Because the system is equipped with 100 kWh high capacity stationary lithium-ion batteries, which is somewhat rare for mega solar power plants, 100 kW of power supply to the plant is possible in the event of a night power outage from a disaster or other causes.

3. The plant is equipped with a quick charger for electric vehicles that allows the charging of electric vehicles and plug-in hybrid vehicles during both normal operations and in the event of a power outage from a disaster or other causes.

[Overview of the mega solar power plants constructed by GS Yuasa Group]

		GS Yuasa Gunma Photovoltaic Power Plant	Iwaki Yuasa Photovoltaic Power Plant
Date of operations start		February 2015	June 2013
Location		671, Sakaikamiyajima, Isesaki City, Gunma Prefecture	24-9 Yoshima Industrial Park, Iwaki City, Fukushima Prefecture
Output		1 MW	1 MW
Estimated Annual Power Generation		1,100 MWh	1,100 MWh
Power Conditioner	Grid Operation Output	1,000 kW	1,000 kW
	Independent Operation Output	300 kW	—
Industrial-use Lithium-ion Batteries	Capacity	Approx. 100 kWh	—
Quick Charger for Electric Vehicles	Rated Output	20 kW	—

Photographs

1. Overview of GS Yuasa Gunma Photovoltaic Power Plant

2. Power conditioner and lithium-ion batteries at the Gunma Plant

3. Lithium-ion battery (LIM50 series)

4. Quick charger for electric vehicles (EVC-R series) at the Gunma Plant