



GS Yuasa Wins Order from Tokyo Metropolitan Bureau of Transportation for Power Supply Systems Installed with Industrial-use Lithium-ion Batteries

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; “GS Yuasa”) announced that it won an order for 26 sets of power supply systems installed with industrial-use lithium-ion batteries from Tokyo Metropolitan Bureau of Transportation. It is the first case in which lithium-ion batteries are being adopted for the power supply systems that assist the railway communication equipment of the bureau. The products will be installed at all stations and train depot of the Toei Subway Mita Line and will start operations one after another from August 2017.

The order is for 26 systems in total - 25 uninterruptable power supply systems installed with the large capacity type industrial-use lithium-ion battery LIM50EN series and one direct current power supply system with the said batteries. Each of the uninterruptable power supply systems will have 16 modules made up of 12 cells of LIM50EN. The direct current system also uses LIM50EN, and will have a module exclusively developed for 48V DC power generally used in communication equipment. Lithium-ion batteries, which have long cycle life and require less space, will replace lead-acid storage batteries, which have been used in power supply systems of railway communication equipment of the Tokyo Metropolitan Bureau of Transportation. They can support railway communication equipment for a long-period of time during emergencies and, as an important facility that plays a significant role in train operations, will contribute to the safe operation of the railway service.

GS Yuasa’s industrial-use lithium-ion batteries can be used in wide-ranging applications with large capacity and high input-output requirements. They are used in a wide-range of industry applications including backup power supply systems, regenerative power storage systems, large-scale power storage systems, and hybrid cranes. GS Yuasa Group will continue to contribute to disaster control measures and realizing an energy-saving society through popularization of systems leveraging storage batteries.

[Specifications of the power supply system]

	Uninterruptable power supply system (for stations)	Direct current power supply system (for train depot)
Rated output	AC 100V 7.5kVA	DC 48V 300A
Lithium-ion battery	LIM50EN series 12-cell module	LIM50EN series 13-cell module
Storage battery capacity (kWh)	842.5 (33.4 per set)	50.9
Backup period (minutes)	300	

[Images]

1. Lithium-ion battery module for uninterruptable power supply system (for stations)



2. Lithium-ion battery module for direct current power supply systems (for train depot; image)

