



GS Yuasa Launches Renewed Uninterruptable Power Supply BACSTAR-LIM Series Equipped with Industrial-use Lithium-ion Batteries

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; “GS Yuasa”) announced that it launched renewed uninterruptable power supply BACSTAR-LIM series equipped with industrial-use lithium-ion batteries.

The new products are equipped with LIM50EN series industrial-use lithium-ion batteries, having higher performance compared with the LIM50E series used in the previous products, and the change optimized the control system, enabled reduced size and weight of batteries and improved cost performance.

With these changes, the BACSTAR-LIM series has become the optimum product not only for customers who have limited floor load and space for installation but also for those who need high value-added products.

GS Yuasa will continue to contribute to customers’ power backup requirements by enhancing the product lineup of uninterruptable power supply equipment led by the BACSTAR-LIM series.

[Features]

1. Reduced floor load and space required for installation

High energy industrial-use lithium-ion batteries enabled significant reduction in weight and space required for installation compared with the system using lead-acid storage batteries.

2. Simplified maintenance

The series allows centralized management of information such as voltage, temperature and discharge amount of the industrial-use lithium-ion batteries and various alarms on a cell module basis, which reduces the burden of measurement during regular inspections.

3. Installed with storage batteries when shipped from the plant

Leveraging the features of small and light weight industrial-use lithium-ion batteries, the BACSTAR-LIM series products are shipped with the storage batteries installed. It makes the work at the installation site easier and shortens the work process.

[Product profile]

1. Requirement table of the uninterrupted power supply equipment*1

Rated output capacity	kVA	30	40	50	75	100	150	200
	kW	24	32	40	60	80	120	160
AC input	Phase	3 phases, 3 lines						
	Voltage (V)	200 or 210±10%						
AC output	Phase (Single phase output)	Single phase, 2 lines					—	
	Phase (3 phase output)	3 phases, 3 lines						
	Voltage (V)	200 or 210						
Usage environment	Operating temperature (°C)	-10 to 40						
	Humidity (%)	25 to 85 (no condensation)						
	Altitude (m)	Altitude of 1000 or below						
	Installation environment	Indoor with limited harmful gas, salt and dust						

2. Industrial-use lithium-ion batteries

Module name	LIM50EN-12
Number of modules per bank	8 modules
Storage battery capacity (kWh) per bank	16.8

*1 Please contact GS Yuasa regarding capacity range of 20kVA and below.

[Images]

1. The BACSTAR-LIM Series and storage battery cabinet



2. Industrial-use lithium-ion battery LIM50EN series (12 cell module)

