



GS Yuasa Launches SNS-TN Series of Valve-Regulated Stationary Lead-Acid Batteries

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") today announced the launch of its SNS-TN series of valve-regulated stationary lead-acid batteries.

SNS-TN series batteries' enhanced durability makes them ideal for applications with a high discharge frequency as well as for applications requiring the float charge*¹ feature delivered by GS Yuasa's previous long-life MSE*² batteries in the original SNS series.

The SNS-TN series batteries have the same shape as the previous MSE/SNS series and therefore can replace batteries of the previous series. In addition, similar to the previous series, the new SNS-TN series' has a broad range of rated capacities, from 50Ah to 500Ah (10HR), which enables various combinations to meet a wide range of needs.

Regarding performance, the application of GS Yuasa's accumulated technologies for extending storage batteries' useful life and for increasing the density of active materials has enhanced the batteries' durability in applications requiring a relatively high frequency of battery discharge. As a result, SNS-TN series batteries have a long useful life of 12 years with 50 discharges per year, enabling them to flexibly support rolling blackouts and other uses requiring frequent discharge. The new series is particularly appropriate for use in ground-based railway equipment with high discharge rates, such as signal communication equipment that contributes to safe and precise train operations and in digital train wireless radio backup applications that ensure quick and timely information transmission.

Preserving the shape and size of the long-established MSE/SNS series while extending service life for float-charging applications where the frequency of discharges is relatively high makes the new SNS-TN series highly suitable for use in societal infrastructure market applications such as electric power/substations, transportation signaling, and communications.

GS Yuasa will continue to apply its advanced technologies to enhance the performance of its storage batteries in order to keep important infrastructure equipment working during disasters and other emergencies. Through this effort and the provision of an abundant product lineup and an extensive support system, the company will contribute to maintenance of safe and secure societal environments.

*1 Float charging is an operation method that keeps the battery fully charged at all times and ready to be used as a backup power source to be discharged to provide power to facilities and devices during emergencies.

*2 Long-life MSE batteries are a type of valve-regulated stationary lead-acid battery that does not require water replenishment, specific gravity measurements, or equalized charging, thereby reducing maintenance work. The batteries have a longer life than MSE batteries when used in float-charging applications.

[Features]

1. Shape and size same as MSE/SNS series
2. Long service life of more than 12 years with 50 discharges per year*3
3. Ideal for use as power backup for situations requiring frequent discharges, such as planned rolling blackouts

*3 Operating temperature: 25°C; Discharge conditions: Calculated for conditions of 0.1°C or less and DOD of 50% or less

[SNS-TN series lineup]

Model	Nominal voltage	Rated capacity (Ah)		External dimensions (approx. mm)				Mass (approx. kg)
		10HR rate	1HR rate	Total height	Box height	Width	Length	
SNS-50-10TN	10	50	32.5	217	190	128	363	22.5
SNS-50-12TN	12	50	32.5	217	190	128	363	23
SNS-100-4TN	4	100	65	217	190	128	345	21.5
SNS-100-6TN	6	100	65	217	190	128	345	22.5
SNS-150TN	2	150	97.5	354	330	170	106	12.5
SNS-200TN	2	200	130	354	330	170	106	15
SNS-300TN	2	300	195	354	330	170	150	21.5
SNS-500TN	2	500	325	354	330	171	241	35.5

