



GS Yuasa introduces the SLR-1000 Advanced Nano-Carbon Lead Acid battery which provides an unprecedented 5000 cycles at 70% DOD

GS Yuasa Corporation (Tokyo Stock Exchange: 6674) announced today that the company has introduced a new advanced Nano-Carbon Lead Acid battery. The new SLR-1000 is a 2-volt Advanced Lead battery that provides an unprecedented 5000 cycles at 70% depth of discharge.

The SLR-1000 is engineered to meet the deep cycle, high cycle life, large capacity for energy storage and renewable energy applications. The battery uses Advanced Nano-Carbon technology to deliver exceptional performance.

Features of the SLR-1000 Advanced Nano-Carbon Lead Acid Battery:

- 1. Extraordinary Long Cycle-Life (5000 cycles at 70% DOD)**
SLR-1000 battery is designed to meet the high cycle life requirements of energy storage systems. This battery is capable of delivering 5000 cycles at 70% Depth of Discharge (DOD).
- 2. Advanced Nano-Carbon Technology**
The SLR-1000 features Advanced Nano-Carbon technology which allows the battery to provide exceptional cyclic performance. This technology has been deployed by GS YUASA in a variety of deep cycle, high cycle life Energy Storage applications.
- 3. Compact and Installation space efficiency**
The SLR-1000 features modular unit construction and can be easily scaled up for large energy storage projects. The battery also features front facing terminals for easy maintenance.
- 4. Large capacity and Inherent Safety**
The SLR-1000 is classified as a Non-Spillable, Valve regulated, Maintenance free (no topping up) battery under UN2800. The SLR-1000 is also a UL recognized system component. In addition, the SLR-1000 battery provides very large capacity (1000Ah/cell).

SLR-1000-6 Key Characteristics:

Rated Capacity (10HR)	1000Ah	Mass (weight)	460 Kg
Nominal Voltage	12V	Dimensions (mm)	W1145 D495 H323

Applications

- Wind power generation systems
- Photovoltaic power generation systems
- Smart Communities
- Grid Tie and Off Grid Micro Grids
- Load Leveling and Peak Demand Reduction
- Poor/Off Grid Telecom projects

Images SLR-1000 Unit



Cycle characteristics (DOD 70% @25°C)

