



SLR SERIES

DEEP CYCLE BATTERIES FOR ENERGY STORAGE with *HT Element X Alloy™*

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The SLR Series is designed for high cycle applications using GS Yuasa's Advanced Lead Nano-Carbon battery technology. A Nano-Carbon additive accelerates the reaction of active material to reduce sulfation. This leads to increased charging efficiency, exceptional PSOC performance, and higher capacity retention over the battery life. The product utilizes GS Yuasa's *HT Element X Alloy™* for high heat, long life performance. The SLR product line provides 19 years cycle life when tested to IEC 61427. The product is suitable for back-up applications as well as deep cycle.

CYCLE LIFE

- + 5000 cycles at 70% Depth of Discharge (DOD)

VOLTAGE & CAPACITY

- + 2V, 500Ah@10hr & 1000Ah@10hr
- + 12V, 50Ah@10hr

COMPLIANCE

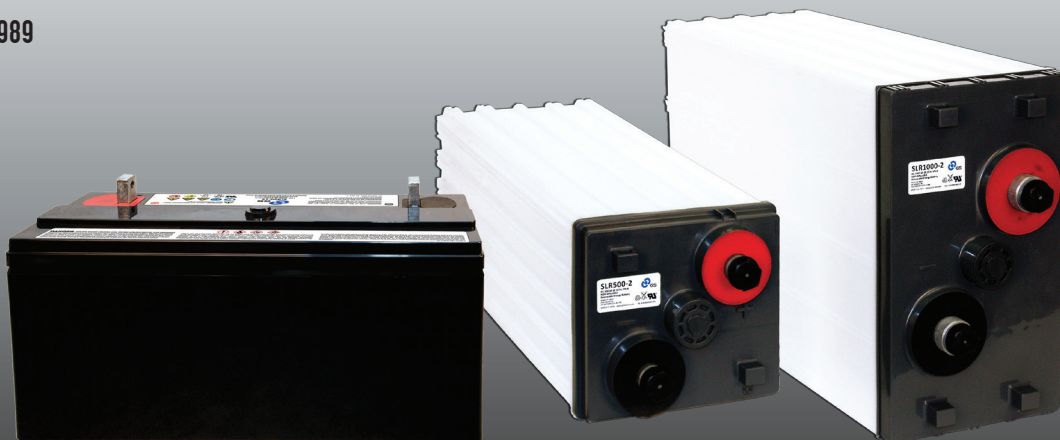
- + DOT HMR49, Non-Hazardous Materials

SAFETY

- + UL 1989

HIGH CYCLE LONG LIFE DESIGN

- + *HT Element X Alloy™* extends life in high temp applications
- + Primary lead for long life
- + Low calcium alloy for long life
- + Nano Carbon additive
- + Flexible Grid design
- + Premature capacity loss avoidance
- + Impurity minimization
- + VRLA battery with AGM Technology - Spill Proof Operation
- + High gas recombination efficiency



POWERING THE NEXT GENERATION



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SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	*RATED CAPACITY at 10 Hr (Ah)	**RECOMMENDED TEMPERATURE		L		W		H		TH		WEIGHT		TERMINAL
			Operating	Storage	mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
SLR50-12	12	50	-15°C~45°C (5°F~113°F)	5°C~30°C (41°F~86°F)	363	14.3	128	5.4	190	7.5	201	7.9	22	48	Flag Hole (M6)
SLR500-2	2	500			156	6.1	171	6.7	492	19.4	492	19.4	34	75	Bolt (M10)
SLR1000-2	2	1000			287	11.3	165	6.5	468	18.4	493	19.4	67	148	Bolt (M10)

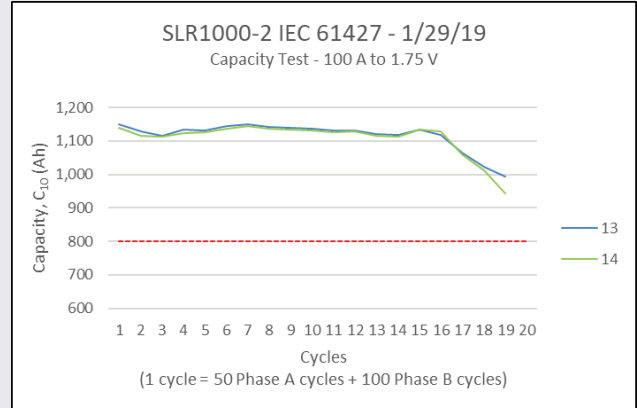
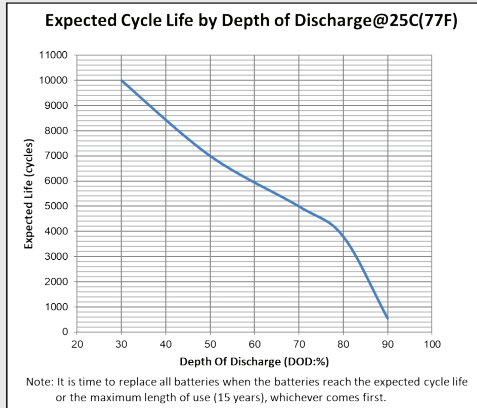
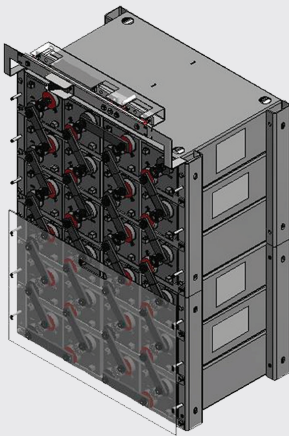
*Maximum Charge Current is 25% of the 8 Hr. Rate

**Refer to Product Manual for optimum temperature range

AMPERES TO FINAL VOLTAGE: 1.8V & 10.8V@25°C (77°F)

MODEL	DISCHARGE TIME										
	2	3	4	5	6	7	8	9	10	12	20
SLR50-12	15.50	11.10	9.25	7.90	7.15	6.45	5.95	5.45	5.00	4.38	3.05
SLR500-2	155	111	92.5	79	71.5	64.5	59.5	54.5	50	43.8	25.9
SLR1000-2	310	221	185	158	143	129	119	109	100	87.7	60.9

24kWh system



ABOUT GS YUASA ENERGY SOLUTIONS, INC.

GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.



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