

SLR SERIES

ENERGY STORAGE

Advanced Nano-Carbon Deep Cycle
Valve Regulated Lead Acid Battery

The crystal of GS Yuasa's over 100 years technology
with super long and reliable life performance.

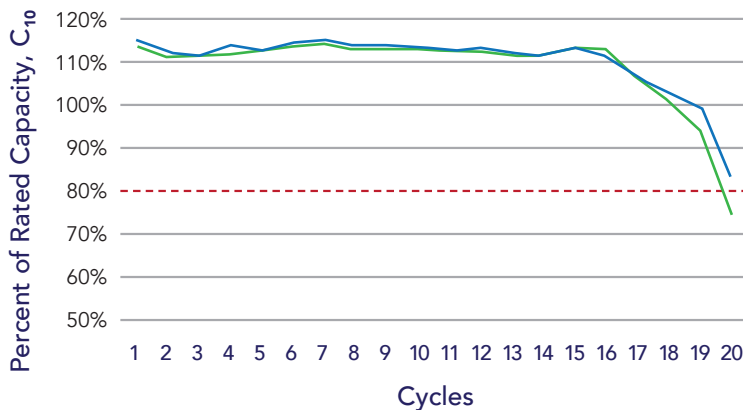


Cycle life:

5000
cycles
at 70% DOD

Float life:

15 years



IEC 61427 test result at 40°C

Repeat A and B Phase =1 cycle

- Phase A: at around 90%DOD for 50 times(cycle) @104F (40°C)
- Phase B: at around 25%DOD for 100 times(cycle) @104F (40°C)

Passed
19 cycles =

19 years
of life

under extreme
PV condition

GS Yuasa technology inside:

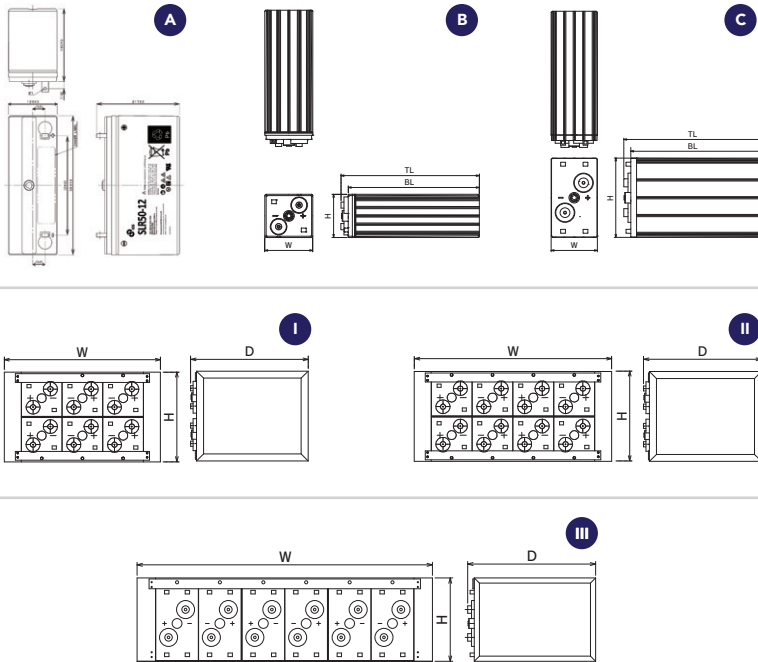
- **Nano carbon** : Enhances Active Material(AM) reaction brings Less chance of Sulfation
- **Hard Paste** : Increases AM adhesion & utilization on plate surface
- **Reinforcement of Positive Grid** : Anti grid corrosion growth
- **PP X additive** : Anti Premature Capacity Loss technology for repeated shallow discharge
- **Element X technology** : Controlling impurity in parts per billion(PPB) level brings high charging acceptability and consistent life performance

Single Battery

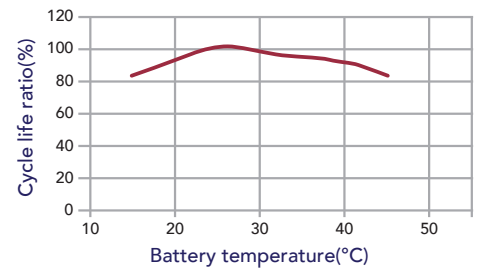
	Model	Nominal Capacity (Ah)	Nominal Voltage (V)	Over all Dimensions(mm)			Weight Approx(kg)	Drawing No.
				L	W	H		
Single Battery	SLR-50-12	50	12	128	217	363	25.5	A
	SLR-500	500	2	171	493	156	39	B
	SLR-1000	1000	2	165	493	287	68	C

UNIT Battery

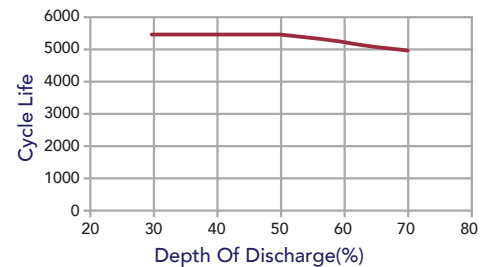
	Model	Nominal Capacity (Ah)	Nominal Voltage (V)	Over all Dimensions(mm)			Weight Approx(kg)	Drawing No.
				L	W	H		
UNIT	SLRX-500-6	500	12	658	495	387	285	I
	SLRX-500-8	500	16	830	495	387	370	II
	SLRX-1000-6	1000	12	1145	495	323	455	III



Cycle Life by Battery Temperature



Expected Cycle Life at 25°C



Discharge Performance by Battery

Temperature : 25 deg.C. (77deg. F.)

	hours F.V.	Discharge time / hours							
		24	20	12	10	8	4	2	1
SLR-50-12	10.80	2.59	3.05	4.38	5.00	5.95	9.25	15.5	26.8
SLR-500	1.80	25.9	30.5	43.8	50.0	59.5	92.5	155	268
SLR-1000	1.80	51.9	60.9	87.7	100	119	185	310	535

Unit : Amperes