

SL Series

SL(Long Life)Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 12 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate of the positive grid and extends the life of the battery.

Application

- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid

Performance Characteristics

Battery Model	SL 2-250			
Designed Floating Life	15 Years			
Capacity(25°C)	20HR(13A,1.75V)	10HR(25A,1.75V)	5HR(42A,1.75V)	1HR(150A,1.75V)
	260AH	250AH	210AH	150AH
Dimensions	Length	Width	Height	Total Height
	172mm(6.77inch)	150mm(5.91inch)	330mm(13.0inch)	365mm(14.37inch)
Approx. Weight	16.7Kg (36.82 lbs)			
Internal Resistance	Full charged at 25°C: 0.0009 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	2.3V-2.35V(-5mV/ °C), max. Current: 50A		2.25-2.27V(-3.3mV/ °C)	



General Features

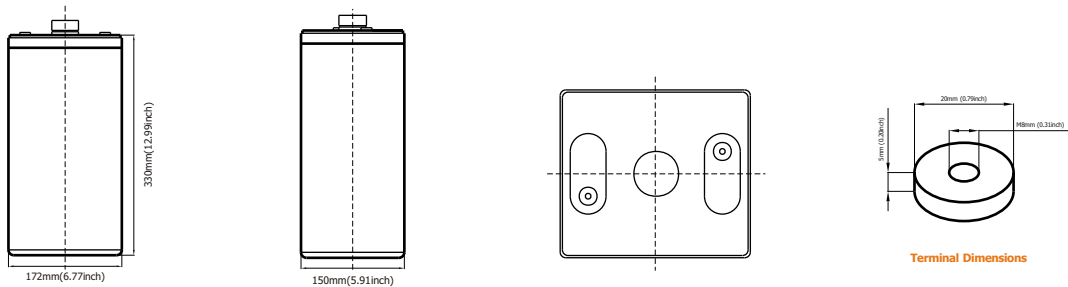
- Extra long life service design (up to 15 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Constant Current Discharge Ratings-Amperes at 77°F(25°C)

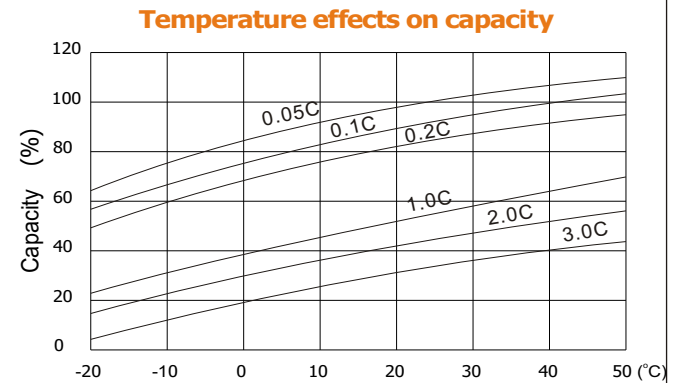
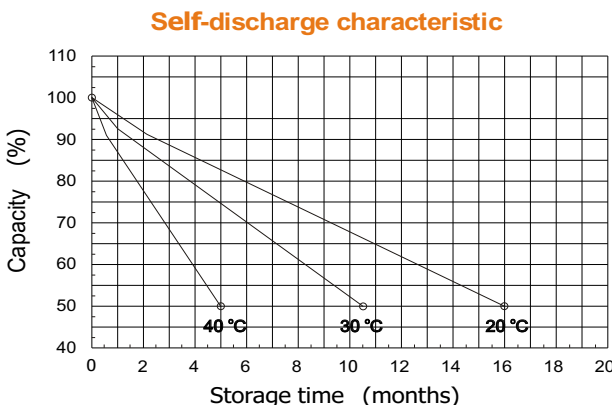
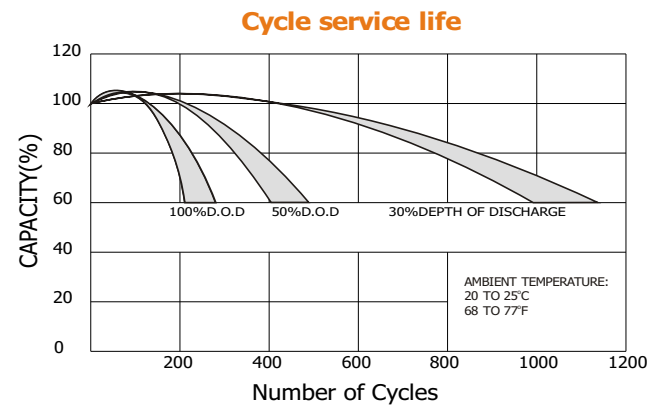
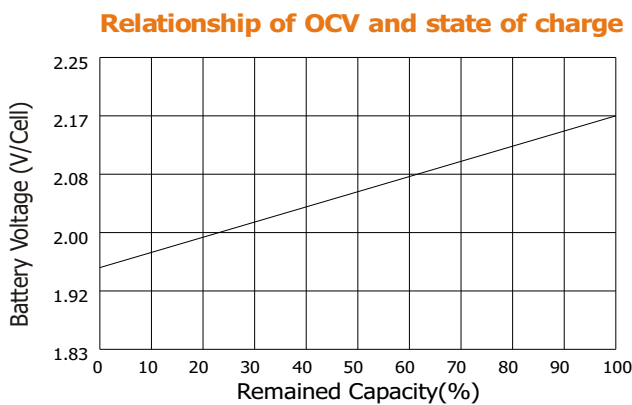
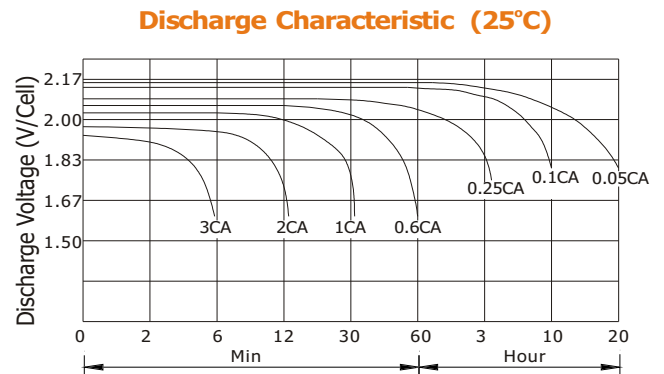
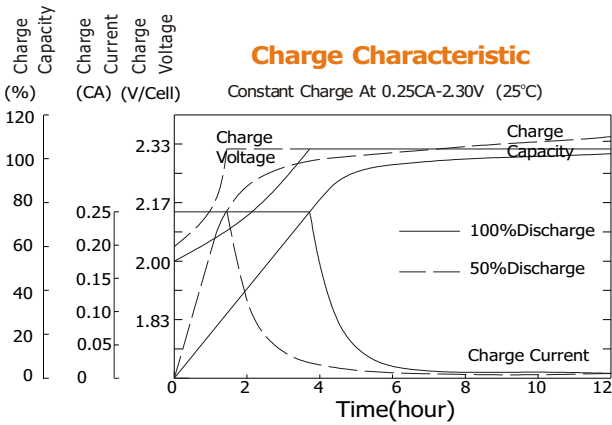
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	675	525	425	273	173	78.8	51.3	26.5	13.5
1.67V	600	485	399	265	170	76.3	48.8	26.5	13.5
1.70V	550	450	375	253	163	72.5	46.3	26.3	13.4
1.75V	505	417	356	245	158	68.5	45.8	26.0	13.3
1.80V	447	379	325	236	152	67.6	44.7	25.0	13.3
1.85V	330	294	267	193	123	62.5	41.0	23.6	13.2

Constant Power Discharge Ratings-Watts at 77°F(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	983	739	657	501	308	143	95.8	30.2	26.3
1.67V	925	696	621	476	296	139	94.2	51.8	25.9
1.70V	864	653	585	450	283	135	92.5	50.9	25.5
1.75V	808	610	549	424	271	132	90.0	49.5	24.8
1.80V	753	567	513	398	258	123	85.8	47.3	23.7
1.85V	696	523	476	371	246	115	81.7	45.0	22.6



Terminal Dimensions



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