



SL Series

BOSFA POWER SL(Long Service 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

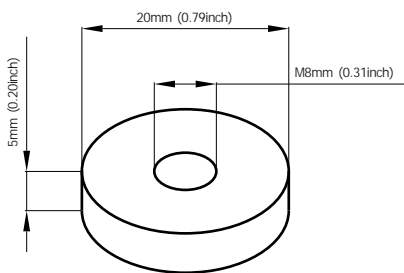
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System

General Features

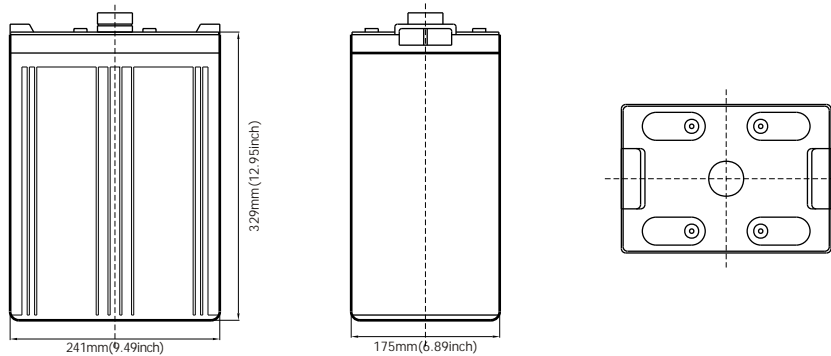
- Extra long life service design (up to 15 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low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

Construction

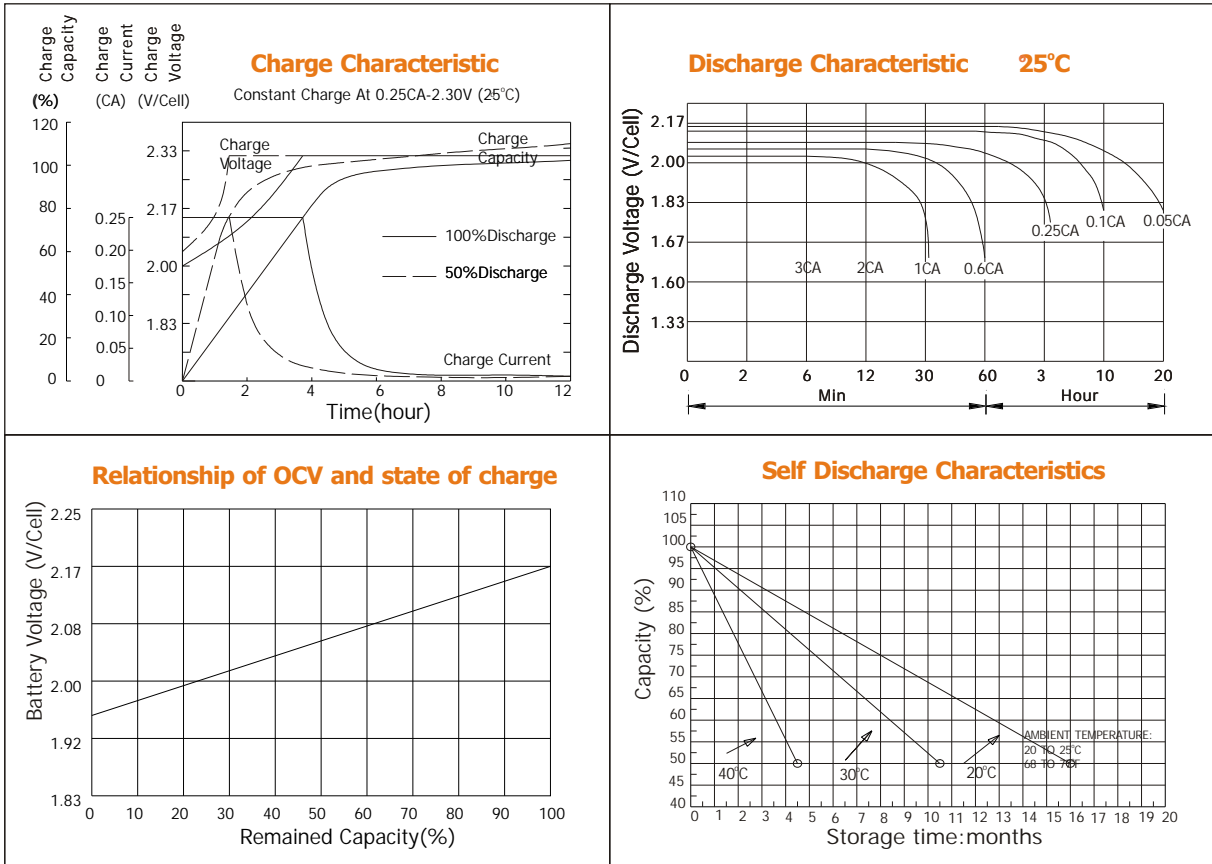
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	SL 2-500			
Designed Floating Life	15 Years			
Capacity(25°C)	20HR(26A,1.75V)	10HR(50A,1.75V)	5HR(83.6A,1.75V)	1HR(310A,1.75V)
	520AH	500AH	418AH	310AH
Dimensions	Length	Width	Height	Total Height
	241mm(9.49inch)	175mm(6.89inch)	330mm(13.0inch)	365mm(14.37inch)
Approx. Weight	32.5Kg (71.7 lbs)			
Internal Resistance	Full charged at 25°C: 0.00065 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: 125A		2.25-2.27V(-3.3mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1350	1050	850	545	345	157.0	102.0	53.0	26.7
1.67V	1200	970	798	530	340	152.0	97.6	53.0	26.7
1.70V	1100	900	750	505	325	145.0	92.5	52.5	26.5
1.75V	1011	833	709	490	316	137.0	91.6	52.1	26.4
1.80V	893	758	649	472	303	135.0	89.3	50.0	26.2
1.85V	660	589	533	385	247	125.0	82.0	47.5	26.0

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	2056	1546	1156	930.0	625.0	270.0	167.0	91.9	46.00
1.67V	1938	1457	1094	883.0	599.0	260.0	164.0	90.2	45.10
1.70V	1820	1366	1030	836.0	572.0	247.0	161.0	88.6	44.30
1.75V	1695	1276	967	787.0	543.0	236.0	157.0	86.4	43.20
1.80V	1582	1187	903	738.0	510.0	217.0	149.0	82.0	41.00
1.85V	1463	1098	840	689.0	477.0	198.0	141.0	78.0	38.80



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