



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

Σ Cable Television
Σ Communication Equipment
Σ Security System
Σ UPS

Σ Control Equipment
Σ Medical Equipment
Σ Emergency Power System
Σ Power Plant

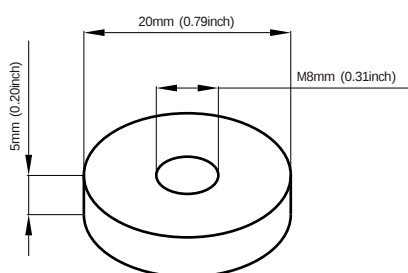
General Features

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

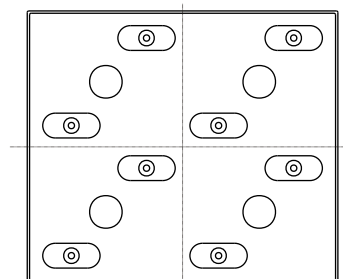
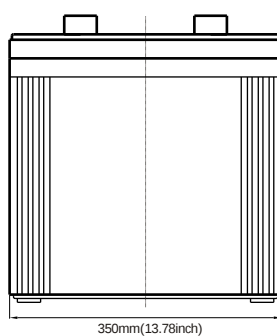
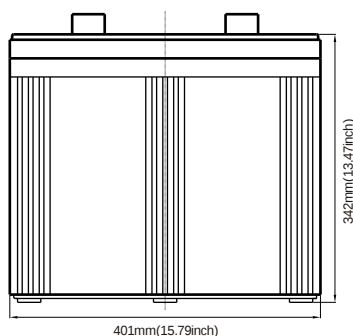
Construction

Σ ComponentRaw material
Σ PositiveLead dioxide
Σ NegativeLead
Σ ContainerABS
Σ CoverABS

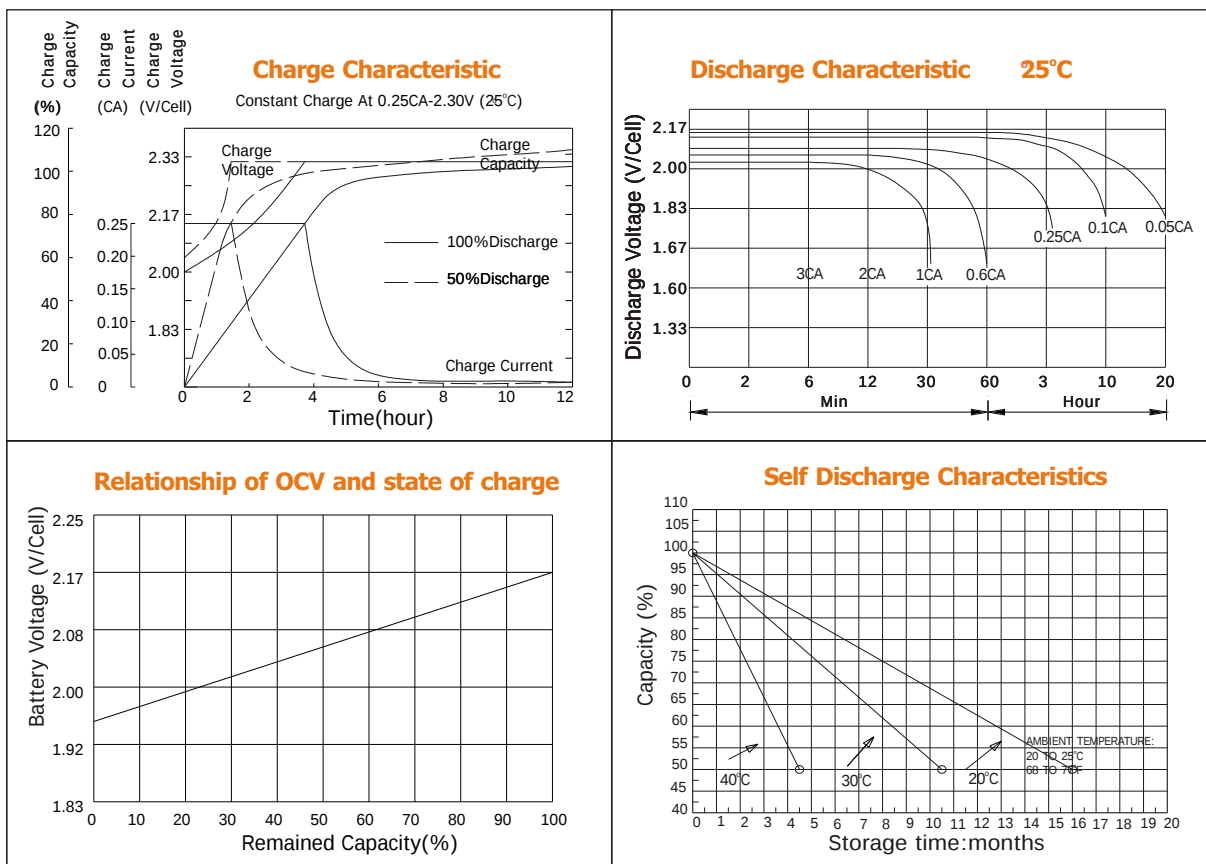
Σ SealantEpoxy Resin
Σ Safety valveEPDR
Σ TerminalCopper
Σ SeparatorFiber glass
Σ ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	SL2-1600			
Designed Floating Life	15 Years			
Capacity(25°C)	20HR(83A,1.75V)	10HR(160A,1.75V)	5HR(288A,1.75V)	1HR(1024A,1.75V)
	1660AH	1600AH	1440AH	1024AH
Dimensions	Length	Width	Height	Total Height
	401mm(15.79inch)	350mm(13.78inch)	342mm(13.47inch)	378mm(14.88inch)
Approx. Weight	106.4Kg (235 lbs)			
Internal Resistance	Full charged at 25°C: 0.0005 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: 400A		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	4334	3371	2729	1749	1107	505	330	170	86.2
1.67V	3852	3114	2563	1701	1091	489	312	170	86.2
1.70V	3531	2889	2408	1621	1043	465	297	167	85.9
1.75V	3242	2675	2277	1574	1026	440	294	167	85.9
1.80V	2868	2432	2084	1514	973	433	287	161	85.6
1.85V	2119	1892	1709	1236	794	401	263	158	85.4

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	6120	4605	3077	2409	1573	770	565	310	155
1.67V	5769	4339	2911	2289	1507	732	555	306	153
1.70V	5408	4069	2742	2165	1437	705	542	299	150
1.75V	5053	3801	2572	2039	1365	676	526	290	146
1.80V	4697	3533	2401	1911	1290	651	501	275	138
1.85V	4340	3266	2226	1783	1216	616	475	260	131



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