



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

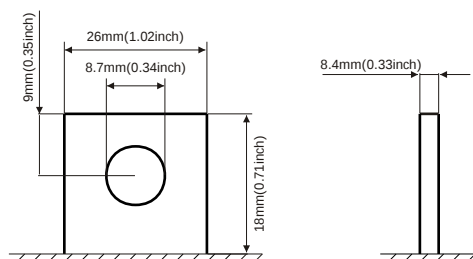
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

General Features

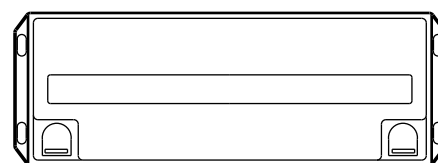
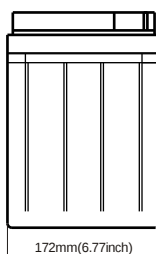
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

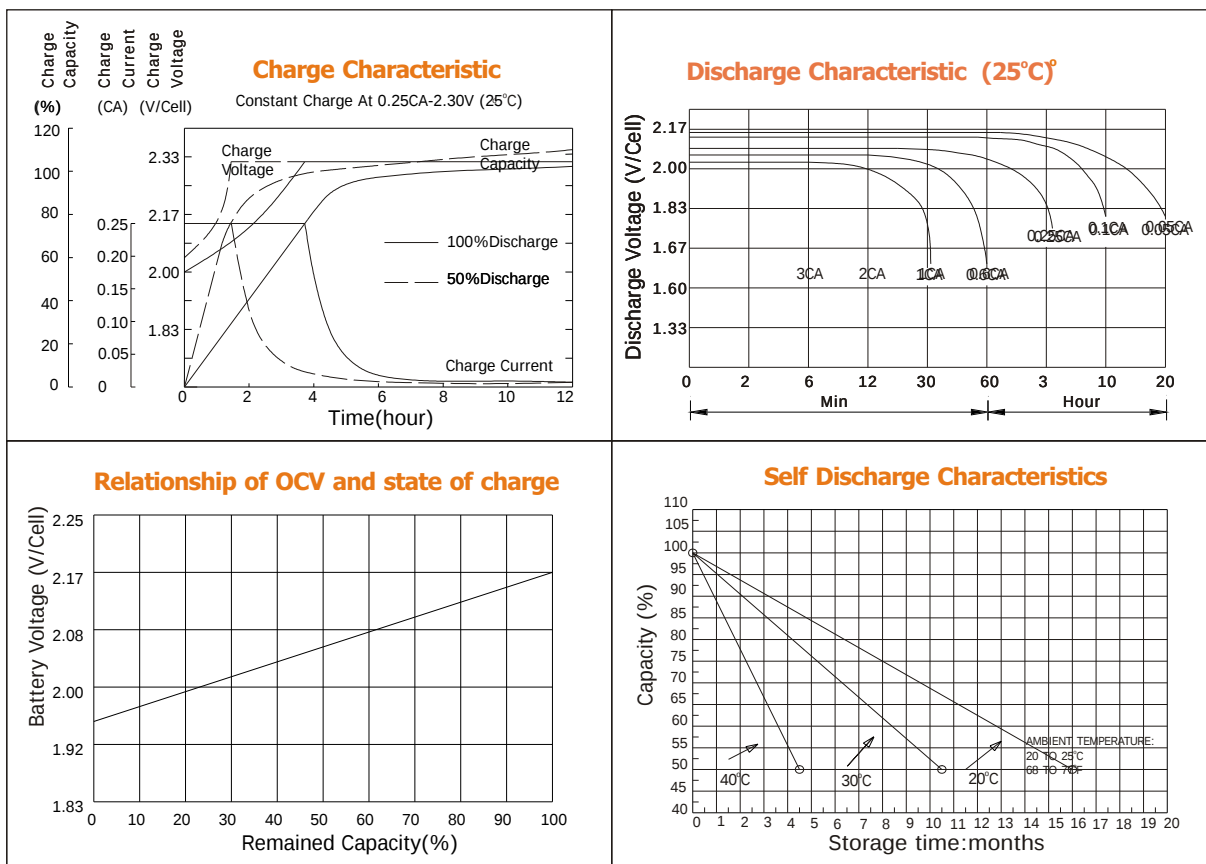
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalPb Alloy
- SeparatorFibre glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	SL 12-150			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(7.6A,1.75V)	10HR(15A,1.75V)	5HR(25A,1.75V)	1HR(94A,1.75V)
	152AH	150AH	125AH	94AH
Dimensions	Length	Width	Height	Total Height
	483mm(19.0inch)	172mm(6.77inch)	241mm(9.49inch)	241mm(9.49inch)
Approx. Weight	45Kg (99.2 lbs)			
Internal Resistance	Full charged at 25°C: 0.004 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	
	14.4-15V(-30mV/ °C), max. Current: 37.5A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	525	360	263	158	99	41.0	28.6	15.9	7.91
1.67V	473	329	255	153	99	40.8	28.4	15.7	7.88
1.70V	449	317	246	150	99	40.8	28.4	15.5	7.88
1.75V	399	293	233	147	98	40.5	28.2	15.3	7.84
1.80V	360	272	222	143	96	40.4	27.9	15.0	7.56
1.85V	273	224	192	131	95	40.2	27.7	14.7	7.37

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	866	597	465	297	195	78.6	54.8	31.8	15.8
1.67V	821	590	461	291	189	78.6	54.8	31.3	15.8
1.70V	767	575	453	284	184	78.6	54.8	31.1	15.8
1.75V	714	537	426	276	182	77.4	54.2	30.6	15.7
1.80V	641	500	401	269	179	76.4	53.3	30.0	15.1
1.85V	513	414	350	246	177	76.1	52.5	29.5	14.9



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