



#### 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

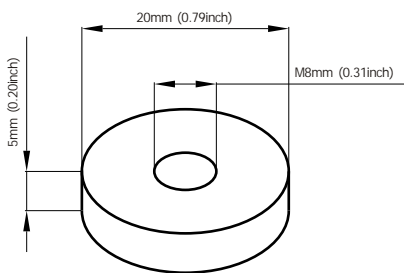
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System

#### General Features

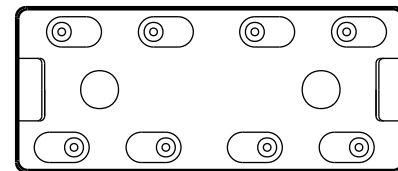
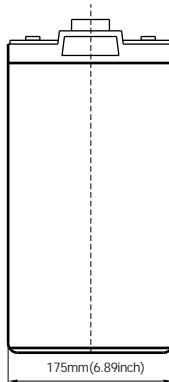
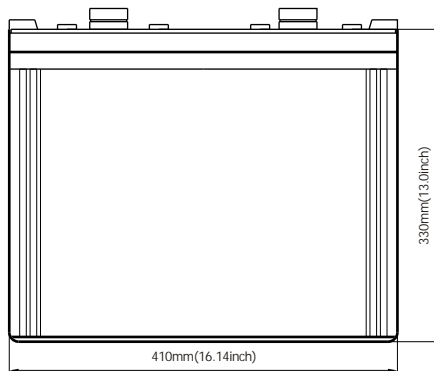
- Extra long life service design (up to 15 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low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

#### Construction

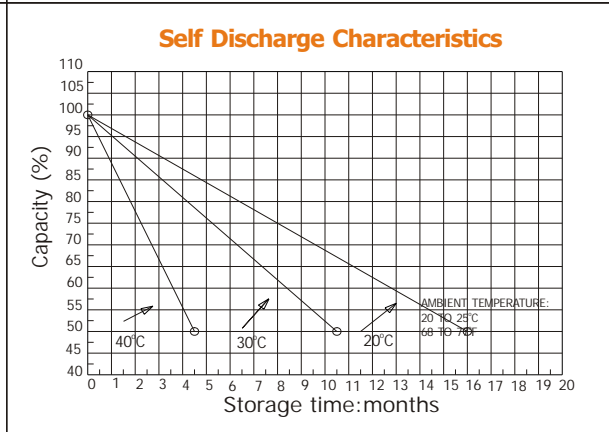
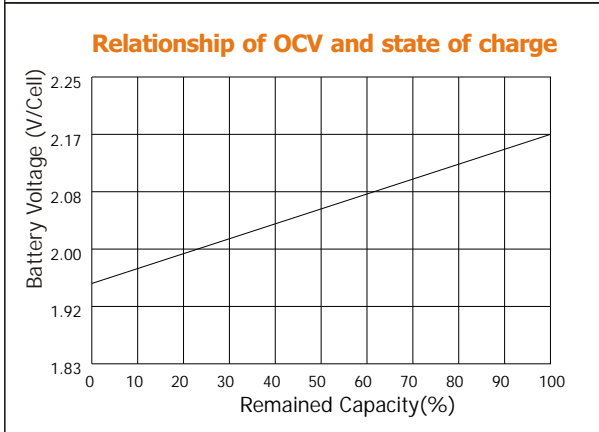
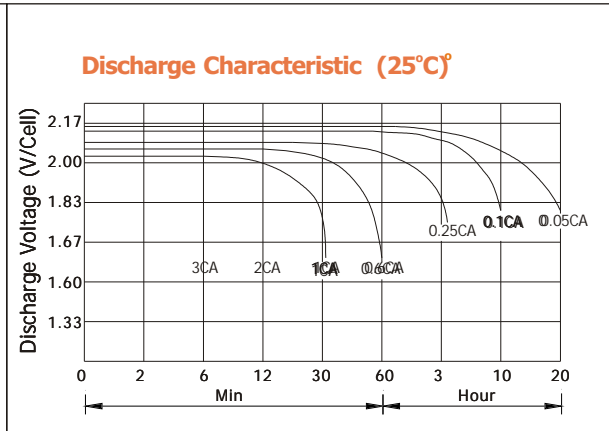
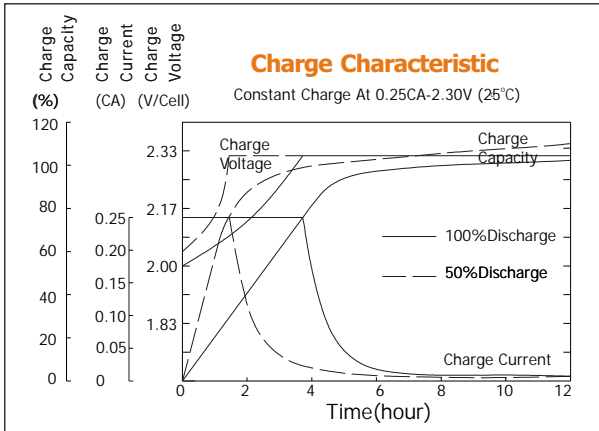
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



**Terminal Dimensions**



Battery Model	SL 2-800			
Designed Floating Life	15 Years			
Capacity(25°C)	20HR(41A,1.75V)	10HR(80A,1.75V)	5HR(146A,1.75V)	1HR(516A,1.75V)
	820AH	800AH	730AH	516AH
Dimensions	Length	Width	Height	Total Height
	410mm(16.14inch)	175mm(6.89inch)	330mm(13.0inch)	365mm(14.37inch)
Approx. Weight	57Kg (127 lbs)			
Internal Resistance	Full charged at 25°C: 0.0006 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: 200A		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	2160	1680	1360	872	552	252	164	84.8	43.0
1.67V	1920	1552	1280	861	544	244	156	84.8	43.0
1.70V	1760	1440	1200	808	520	232	148	84.0	42.9
1.75V	1618	1335	1135	785	507	220	147	83.5	42.7
1.80V	1418	1210	1010	755	484	218	144	80.0	42.3
1.85V	1056	944	852	616	396	200	131	75.5	42.0

#### Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	3184	2394	1995	1497	936	439	303	167.0	83.5
1.67V	3000	2255	1885	1422	896	428	298	164.0	82.0
1.70V	2813	2115	1777	1346	855	416	292	161.0	80.5
1.75V	2627	1975	1667	1267	812	404	286	157.0	78.5
1.80V	2443	1837	1557	1189	769	380	271	149.0	74.5
1.85V	2261	1698	1447	1111	726	356	256	141.0	70.5



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