

Terminal Dimensions

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

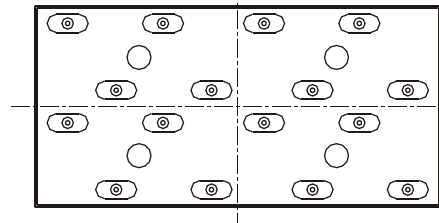
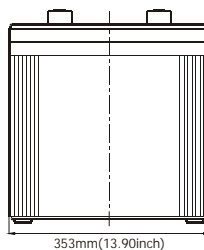
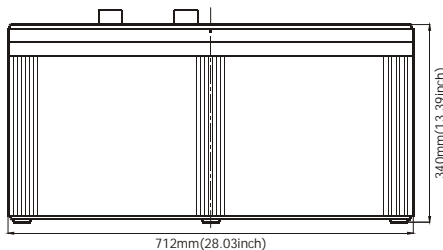
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

General Features

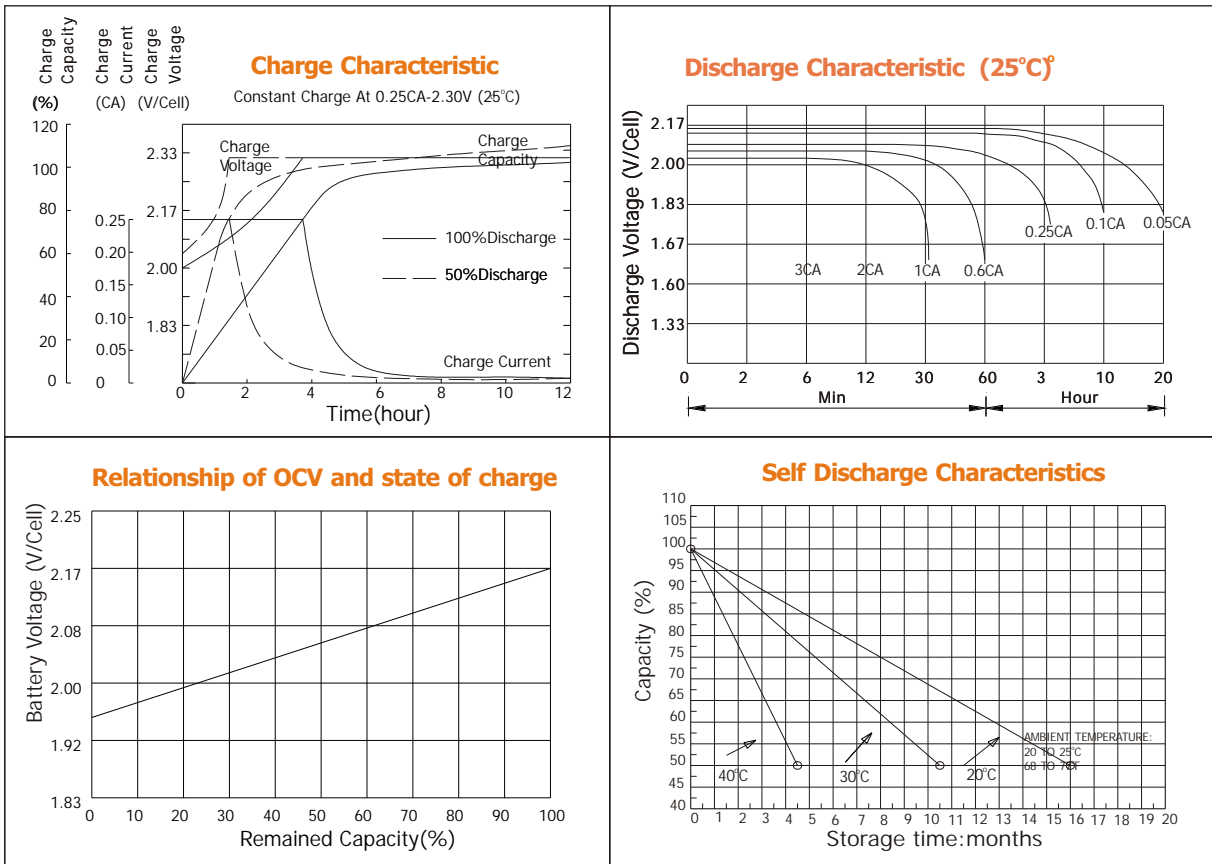
- Extra long life service design (up to 15 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low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



Battery Model	SL 2-3000			
Designed Floating Life	15 Years			
Capacity(25°C)	20HR(152A,1.75V)	10HR(300A,1.75V)	5HR(542A,1.75V)	1HR(1950A,1.75V)
	3040AH	3000AH	2710AH	1950AH
Dimensions	Length	Width	Height	Total Height
	712mm(28.0inch)	353mm(13.90inch)	340mm(13.39inch)	382mm(15.04inch)
Approx. Weight	180Kg (397 lbs)			
Internal Resistance	Full charged at 25°C: 0.00045 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: 750A		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	8100	6300	5100	3269	2070	945	615	318	162
1.67V	7200	5820	4791	3180	2040	915	585	318	162
1.70V	6600	5400	4500	3030	1950	870	555	315	161
1.75V	6061	5000	4255	2941	1899	822	550	313	160
1.80V	5357	4545	3896	2830	1818	811	536	300	158
1.85V	3960	3535	3194	2310	1485	750	496	283	156

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	10305	7748	6050	4484	2976	1423	922	507	254
1.67V	9768	7344	5759	4286	2885	1386	906	498	249
1.70V	9212	6926	5459	4080	2795	1346	888	489	245
1.75V	8641	6497	5154	3869	2701	1302	869	478	239
1.80V	8062	6062	4844	3659	2621	1262	829	456	228
1.85V	7497	5637	4534	3448	1821	1220	780	434	217



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