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SLA BATTERY

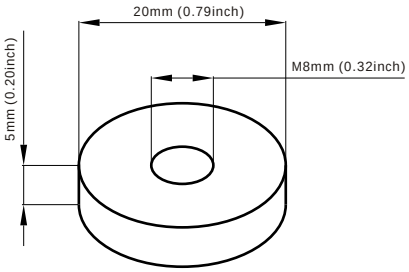
SL6-105 *6V105AH*

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



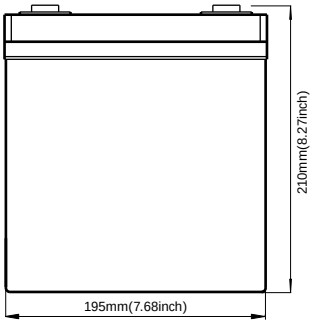
Terminal Dimensions

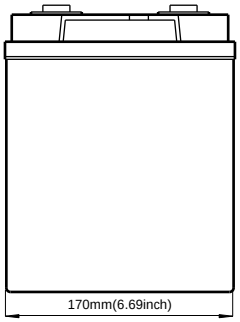
General Features

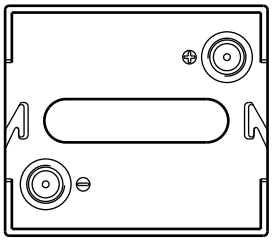
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

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







Battery Model	SL 6-105			
Designed Floating Life	12 Years			
Capacity(25℃)	20HR(5.25A,1.75V)	10HR(10A,1.75V)	5HR(17.9A,1.75V)	1HR(63A,1.75V)
	105AH	100AH	89.5AH	63AH
Dimensions	Length	Width	Height	Total Height
	195mm(7.68inch)	170mm(6.69inch)	205mm(8.07inch)	210mm(8.27inch)
Approx. Weight	16.3Kg (35.9 lbs)			
Internal Resistance	Full charged at 25℃: 0.003 Ohm			
Self Discharge	3% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25℃)	Cycle use		Float use	
	7.2-7.5V(-15mV/ ℃), max. Current: 26A		6.8-6.9V(-10mV/ ℃)	

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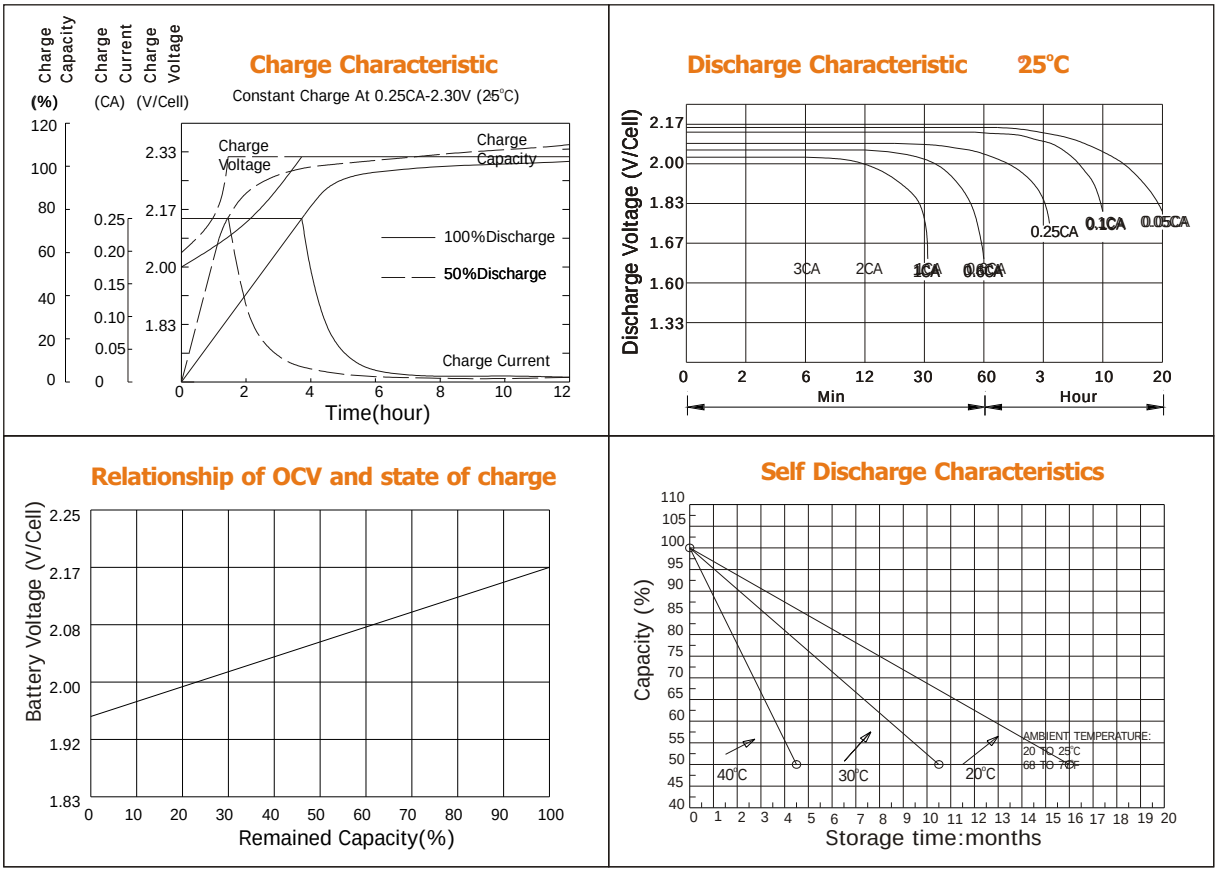

Constant current discharge ratings-amperes at 25℃

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	350	240	175	105	66.0	28.7	20.0	11.1	5.53
1.67V	315	219	170	102	65.9	28.6	19.9	11.0	5.51
1.70V	299	211	164	100	65.7	28.6	19.9	10.9	5.51
1.75V	266	195	155	98.0	65.0	28.4	19.7	10.7	5.49
1.80V	240	181	148	95.0	64.2	28.2	19.5	10.5	5.29
1.85V	182	149	128	87.4	63.5	28.1	19.4	10.3	4.98

Constant power discharge ratings-watts at 25℃

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	398	310	198	130	55.0	38.3	22.3	11.1
1.67V	547	393	307	194	126	55.0	38.3	21.9	11.0
1.70V	511	383	302	189	122	55.0	38.3	21.8	11.0
1.75V	476	358	284	184	121	54.2	37.9	21.4	11.0
1.80V	427	333	267	179	119	53.4	37.3	21.0	10.6
1.85V	342	276	233	164	118	53.2	36.8	20.6	10.0

MH28057

BOSFA INDUSTRIAL BATTERY CO., Ltd.
5/F,Nanyou Building,No.16, Tianhe Road, Yuexiu District, Guangzhou , the PRC 510075
Tel:(+86-20)38320842 Fax: (+86-20)38320841
Website: www.bosfabattery.com E-mail:sales@bosfabattery.com

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