

SB127

Security Batteries Series

General Features



SB Series VRLA batteries are designed with AGM (Absorbent Glass Material) technology, high performance plates and electrolyte to give extra power output especially for security system such as alarm system, surveillance system, cameras, domos, etc.

Sb Series batteries are security batteries with 5

- Heavy Duty Grid
- Non-spillable construction
- Mechanized assembly
- High Reliability and Stability
- Sealed and Maintenance-free
- Long Life and low self-discharge design
- Terminal Type: F2

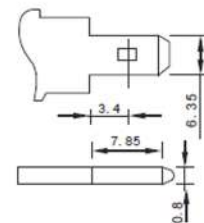
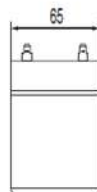
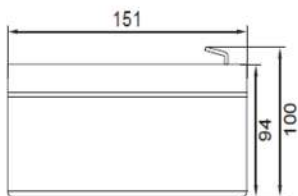
Container: ABS(UL94-HB) & Flame Retardant of UL94-V0 can be available upon request

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (20 Hour rate)		7Ah	
	Cells per battery		6	
Dimensions	Lenght	With	Height	Total Height
	151 mm (5.94inches)	65mm (2.56inches)	94mm (3.7inches)	100mm (3.94inches)
Aprox Weight	1.78kg (4.03lbs) ± 3%			
Max. discharge current	90A (5Sec.)			
Internal Resistance	Full charged at 25°C: Approx 36mΩ			
Capacity affected by Temp. (10HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Self Discharge at 25°C (77°F)	After 3 month storage		After 6 month storage	After 12 month storage
	91%		82%	64%
Charge method 25°C (77°F)	Cycle Use		Float Use	
	14.4-14.7V (Initial charging current less than 1.8A)		13.50-13.80V	

Outer Dimensions (mm)

Terminal Type (mm)

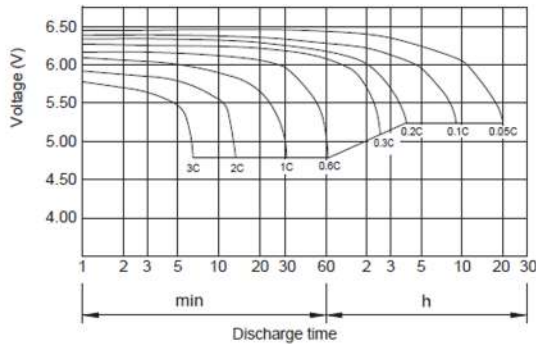


F2

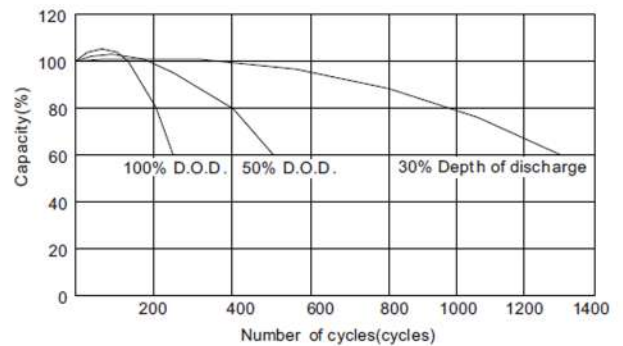
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

F.V/TIME		5min	10min	15min	30min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
9.60V	A	21.60	14.20	10.50	6.90	3.60	2.10	1.55	1.24	1.05	0.69	0.57	0.31
	W	224.00	152.00	113.00	74.00	39.00	23.10	17.20	14.00	12.00	8.00	6.60	3.60
10.20V	A	19.80	13.50	9.60	6.60	3.40	2.01	1.50	1.20	1.03	0.68	0.56	0.30
	W	213.00	152.00	108.00	74.00	38.00	23.20	17.40	14.00	12.00	8.00	6.60	3.60
10.50V	A	18.00	12.70	9.00	6.30	3.30	1.98	1.47	1.14	1.03	0.68	0.55	0.30
	W	198.00	144.00	103.00	73.00	38.00	22.90	17.20	13.40	12.00	8.00	6.50	3.60
10.80V	A	17.30	12.10	8.40	6.20	3.20	1.92	1.45	1.12	0.98	0.66	0.54	0.29
	W	194.00	140.00	97.00	72.00	37.00	22.60	17.10	13.20	11.50	7.80	6.40	3.50
11.10V	A	16.00	11.40	7.80	6.00	3.00	1.88	1.38	1.10	0.93	0.64	0.53	0.29
	W	182.00	132.00	91.00	70.00	36.00	22.20	16.30	13.10	11.10	7.70	6.40	3.50

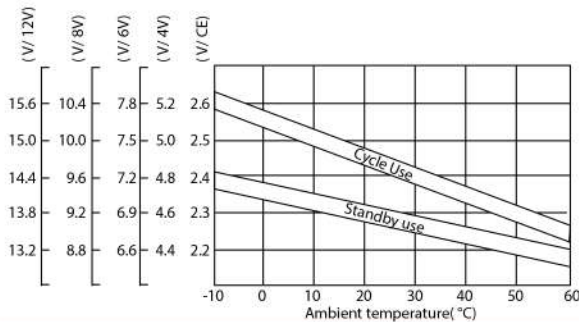
Discharge characteristic Curve



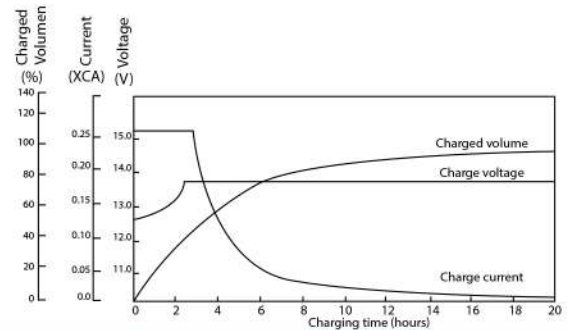
Cycle service life in relation to depth of discharge



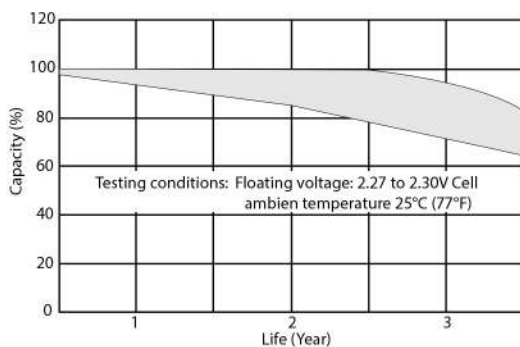
Relationship between charging voltage and temperature



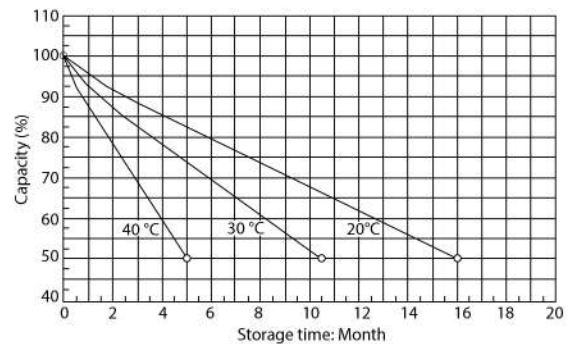
Constant voltage charging characteristic (0.25CA, at 25°C)。



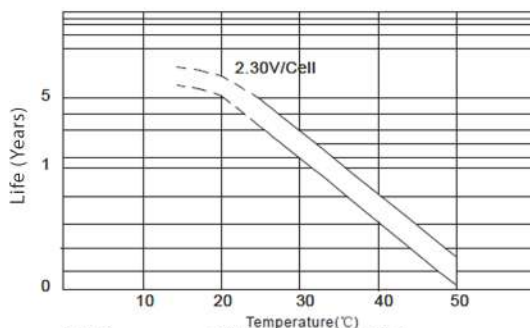
Life characteristics of standby use



Self-discharge characteristic



Temperature effects on float life



Charge characteristic Curve for standby use

