

**Terminal Dimensions**

**General Series**

General Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

**Application**

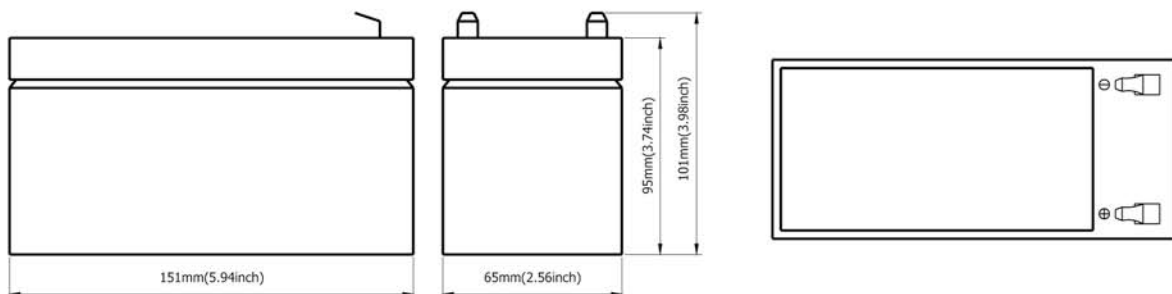
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

**General Features**

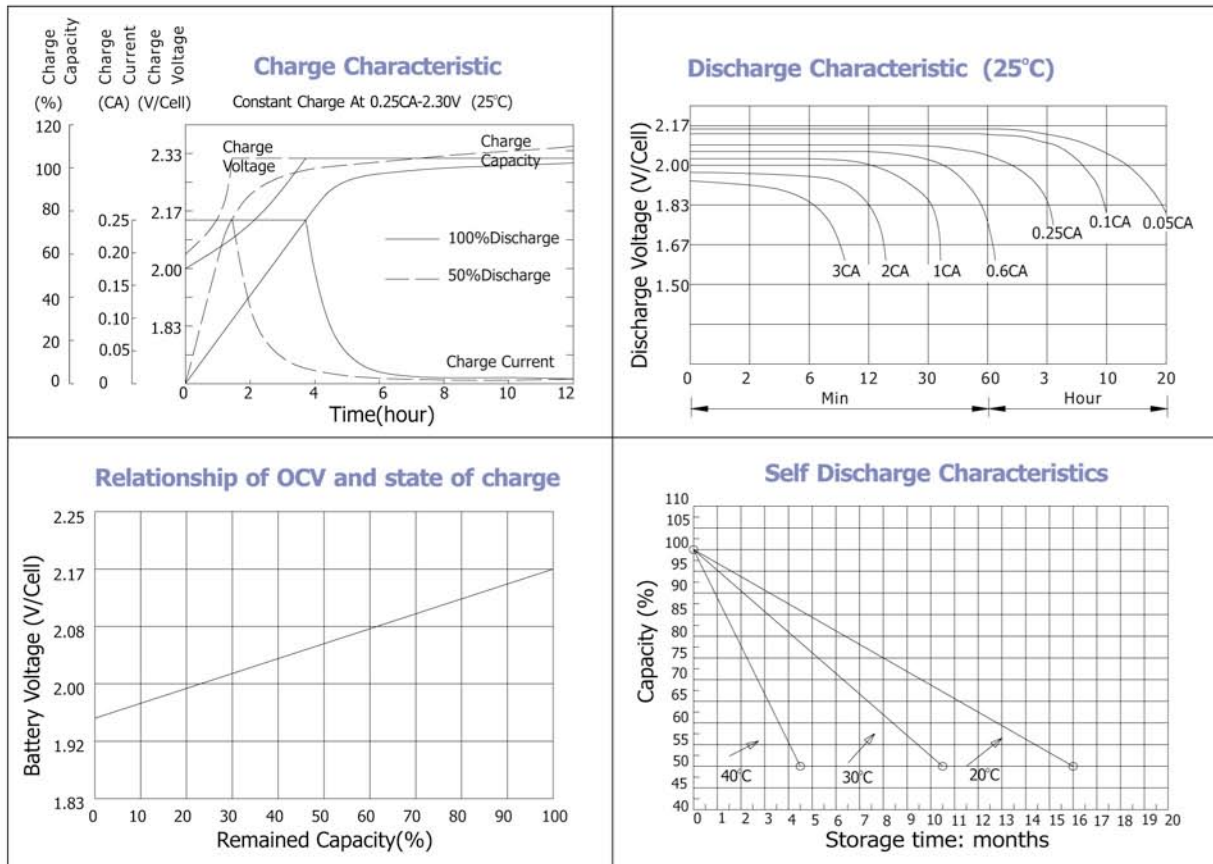
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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



Battery Model	<b>SUN SB 12-7UPS</b>			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.375A,1.75V)	10HR(0.7A,1.75V)	1C(7A,1.60V)	3C(21A,1.60V)
	7.5AH	7AH	>40Min	>10Min
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.48Kg (5.47 lbs)			
Internal Resistance	Full charged at 25°C: 0.02 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: 2.25A		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	29.3	18.2	13.8	8.39	5.33	2.34	1.41	0.77	0.41
1.67V	27.5	17.3	13.2	8.02	5.26	2.25	1.38	0.76	0.40
1.70V	25.2	16.7	12.9	7.29	5.10	2.10	1.35	0.76	0.39
1.75V	24.7	16.1	12.5	6.93	4.86	2.03	1.32	0.74	0.38
1.80V	22.1	15.4	11.4	6.42	4.55	1.95	1.24	0.73	0.37
1.85V	19.5	14.7	10.2	5.91	4.24	1.88	1.16	0.72	0.36

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	51.4	32.9	25.1	15.1	9.62	4.15	2.42	1.60	0.84
1.67V	49.6	32.1	24.8	14.8	9.56	4.02	2.41	1.59	0.81
1.70V	46.7	31.8	24.6	13.9	9.38	3.84	2.38	1.58	0.80
1.75V	47.0	31.7	24.4	13.4	9.22	3.75	2.35	1.56	0.78
1.80V	43.0	31.2	22.6	12.8	8.69	3.64	2.28	1.54	0.76
1.85V	39.0	29.6	20.5	12.0	8.17	3.53	2.21	1.52	0.73

