

## 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            | Medical Equipment      |
| Cable Television        | UPS                    |
| Communication Equipment | Power tools            |
| Control Equipment       | Emergency Power System |
| Security System         | Toys                   |

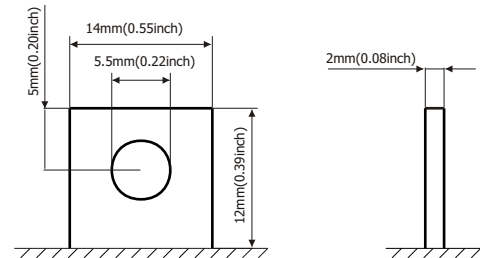


## General Features

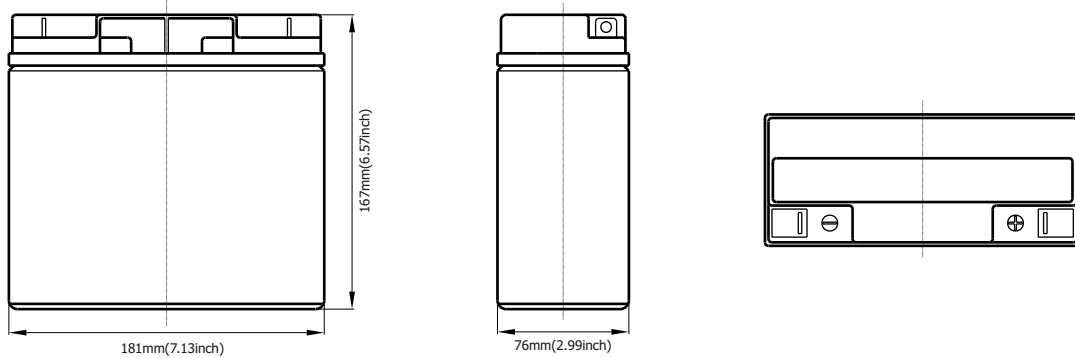
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

## Construction

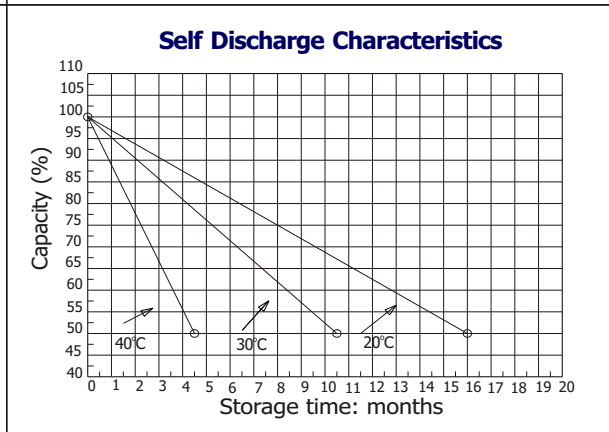
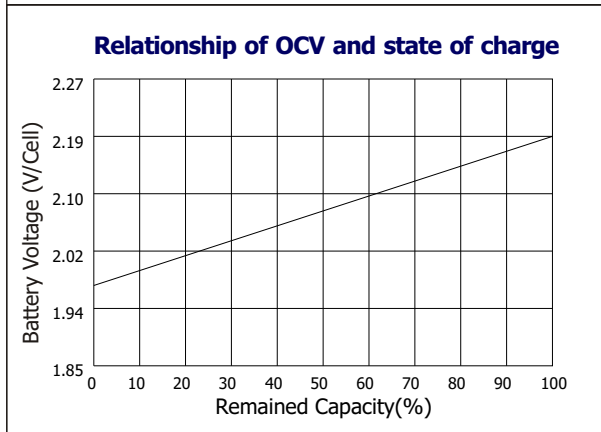
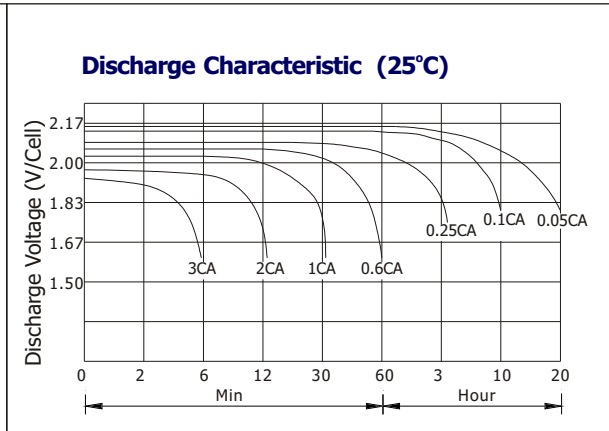
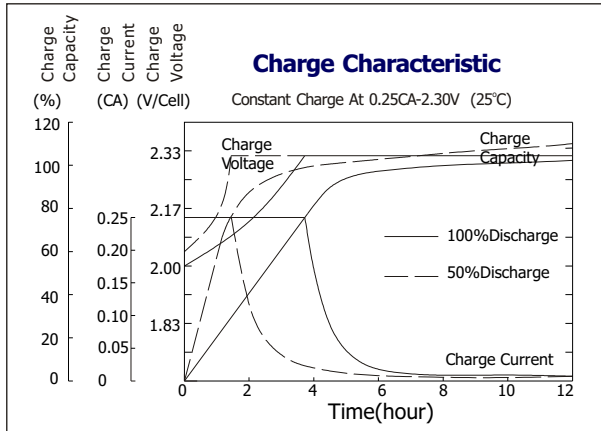
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|-----------------|--------------|--------------------|---------------|
| Component ..... | Raw material | Sealant .....      | Epoxy Resin   |
| Positive .....  | Lead dioxide | Safety valve ..... | EPDR          |
| Negative .....  | Lead       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



**Terminal Dimensions**



Battery Model	GB 12-17			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.85A,1.75V)	10HR(1.65A,1.75V)	5HR(2.9A,1.75V)	1HR(11.1A,1.75V)
	17AH	16.5AH	14.5AH	11.1AH
Dimensions	Length	Width	Height	Total Height
	181mm(7.13inch)	76mm(2.99inch)	167mm(6.57inch)	167mm(6.57inch)
Approx. Weight	5.4Kg (11.91 lbs)			
Internal Resistance	Full charged at 25°C: 0.012 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: 5.1A		13.6-13.8V(-20mV/ °C)	



### Constant current discharge ratings-amperes at 25°C

F.V/T ime	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	68.4	42.5	32.1	19.6	12.4	5.46	3.34	1.87	0.98
1.67V	64.2	40.3	30.9	18.7	12.3	5.25	3.27	1.85	0.95
1.70V	58.8	38.9	30.1	17.0	11.9	4.90	3.20	1.84	0.93
1.75V	57.6	37.7	29.2	16.2	11.3	4.74	3.13	1.82	0.91
1.80V	51.6	36.0	26.5	15.0	10.6	4.55	2.94	1.79	0.88
1.85V	45.5	34.3	23.8	13.8	9.89	4.39	2.75	1.77	0.86

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

F.V/T ime	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	120	76.8	58.6	35.2	22.4	9.68	5.64	3.73	1.96
1.67V	116	74.9	57.8	34.5	22.3	9.38	5.61	3.71	1.89
1.70V	109	74.1	57.4	32.3	21.9	8.96	5.54	3.69	1.87
1.75V	110	73.9	56.9	31.4	21.5	8.75	5.49	3.64	1.82
1.80V	100	72.8	52.7	29.9	20.3	8.49	5.32	3.59	1.77
1.85V	91.0	69.1	47.8	28.0	19.1	8.24	5.15	3.55	1.70

