

## 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                   |

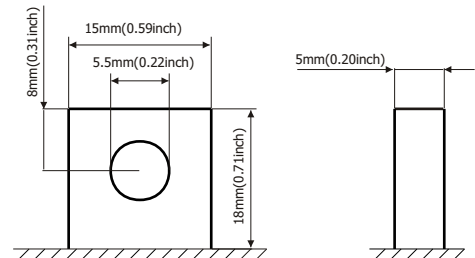


## General Features

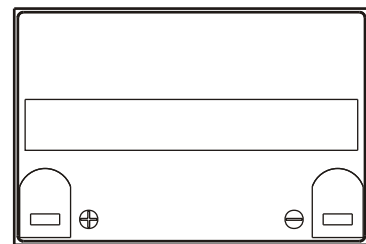
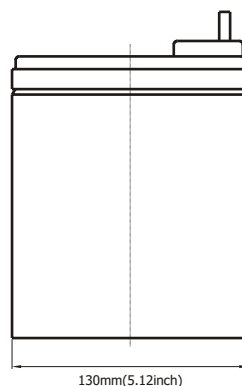
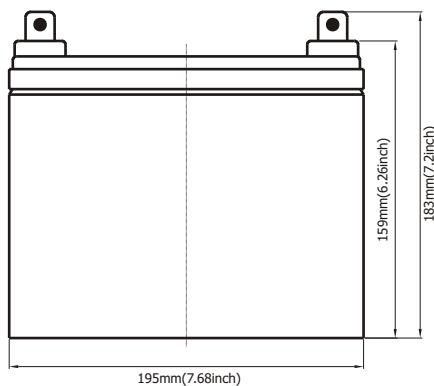
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

## Construction

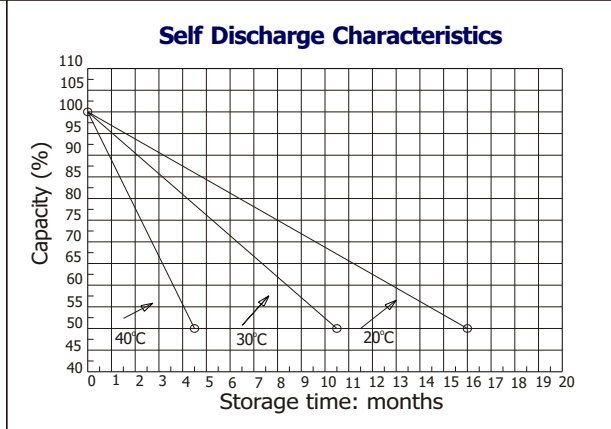
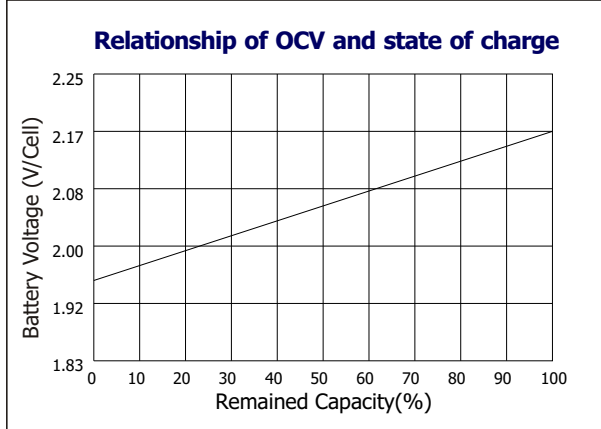
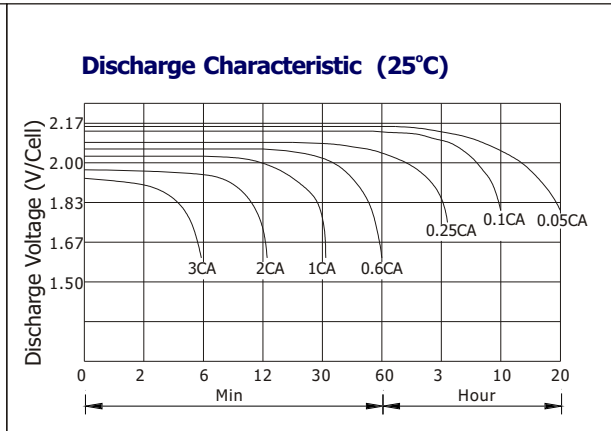
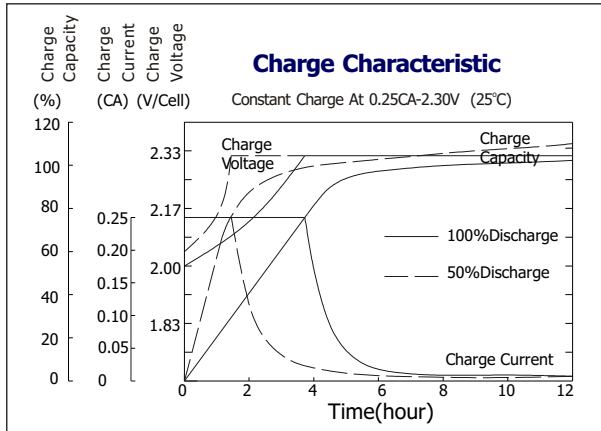
- |           |                   |              |                    |
|-----------|-------------------|--------------|--------------------|
| Component | .....Raw material | Sealant      | .....Epoxy Resin   |
| Positive  | .....Lead dioxide | Safety valve | .....EPDR          |
| Negative  | .....Lead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



**Terminal Dimensions**



Battery Model	GB12-33			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(1.73A,1.75V)	10HR(3.3A,1.75V)	5HR(5.9A,1.75V)	1HR(21A,1.75V)
	34.6AH	33AH	29.5AH	21AH
Dimensions	Length	Width	Height	Total Height
	195mm(7.68inch)	130mm(5.12inch)	159mm(6.26inch)	183mm(7.2inch)
Approx. Weight	11.8Kg (26.05lbs)			
Internal Resistance	Full charged at 25°C: 0.009 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: 8.25A		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	115.5	79.2	57.8	34.7	21.8	9.01	6.30	3.50	1.74
1.67V	104.0	72.3	56.1	33.7	21.7	8.98	6.24	3.45	1.73
1.70V	98.7	69.6	54.1	33.0	21.7	8.98	6.24	3.42	1.73
1.75V	87.8	64.4	51.2	32.3	21.5	8.91	6.19	3.36	1.73
1.80V	79.2	59.7	48.8	31.4	21.2	8.88	6.14	3.30	1.66
1.85V	60.1	49.2	42.2	28.8	21.0	8.84	6.09	3.24	1.62

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	190	131	102	65.3	42.9	17.3	12.0	7.00	3.48
1.67V	181	130	101	64.0	41.5	17.3	12.0	6.89	3.47
1.70V	169	126	100	62.4	40.4	17.3	12.0	6.84	3.47
1.75V	157	118	93.7	60.7	40.0	17.0	11.9	6.72	3.45
1.80V	141	110	88.1	59.1	39.3	16.8	11.7	6.61	3.33
1.85V	113	91.1	76.9	54.1	39.0	16.7	11.6	6.49	3.25

