

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

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

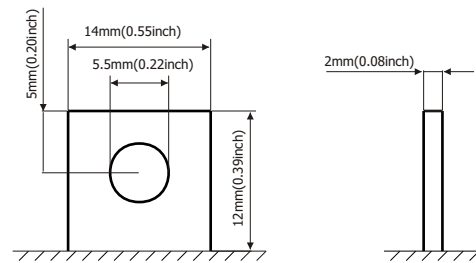


General Features

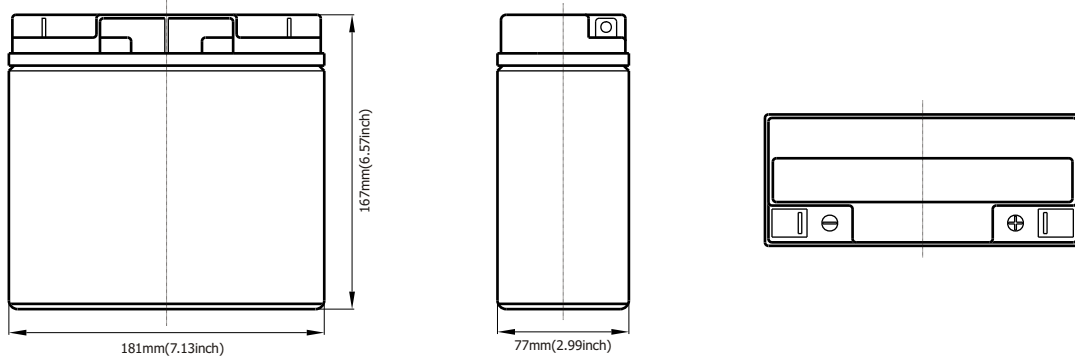
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

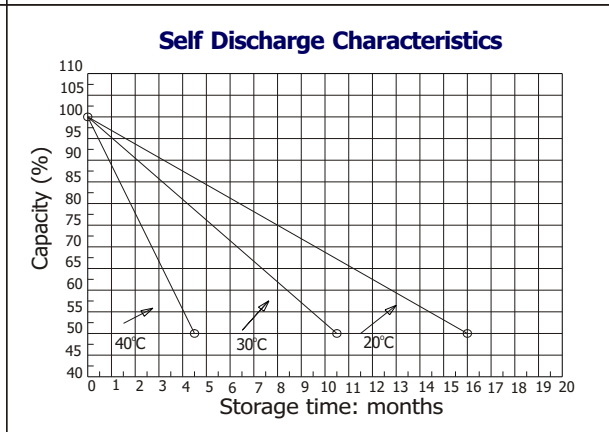
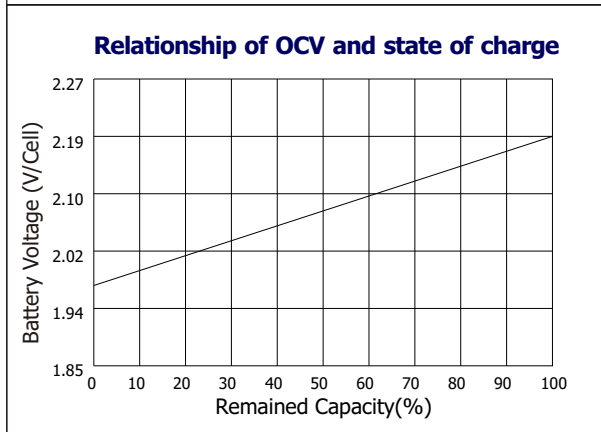
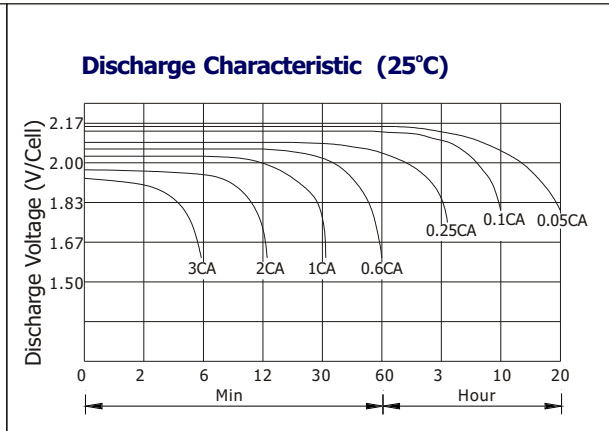
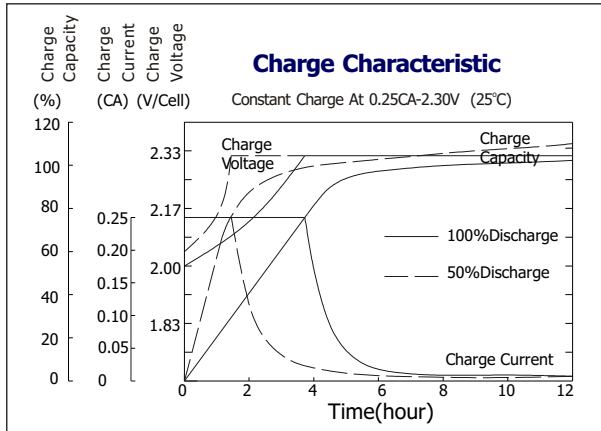
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|-----------|-------------------|--------------|--------------------|
| Component |Raw material | Sealant |Epoxy Resin |
| Positive |Lead dioxide | Safety valve |EPDR |
| Negative |Lead | Terminal |Copper |
| Container |ABS | Separator |Fiber glass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



Terminal Dimensions



Battery Model	GB 12-20			
Designed Floating Life	5year			
Capacity(25°C)	20HR(1A,1.75V)	10HR(1.9A,1.75V)	5HR(3.4A,1.75V)	1HR(12.8A,1.75V)
	20AH	19AH	17AH	12.8AH
Dimensions	Length	Width	Height	Total Height
	181mm(7.13inch)	76mm(2.99inch)	167mm(6.57inch)	167mm(6.57inch)
Approx. Weight	6.3Kg (13.89 lbs)			
Internal Resistance	Full charged at 25°C: 0.014 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: 6A		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	78.1	48.6	36.7	22.4	14.2	6.24	3.81	2.13	1.12
1.67V	73.3	46.1	35.3	21.4	14.0	6.00	3.73	2.11	1.08
1.70V	67.2	44.4	34.4	19.4	13.6	5.60	3.65	2.10	1.07
1.75V	65.9	43.1	33.3	18.5	13.0	5.41	3.57	2.08	1.04
1.80V	58.9	41.1	30.3	17.1	12.1	5.20	3.36	2.05	1.01
1.85V	52.0	39.2	27.2	15.8	11.3	5.01	3.15	2.02	0.98

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	137	87.8	66.9	40.3	25.7	11.1	6.44	4.27	2.24
1.67V	132	85.6	66.1	39.4	25.5	10.7	6.42	4.24	2.16
1.70V	125	84.7	65.6	36.9	25.0	10.2	6.33	4.21	2.13
1.75V	125	84.4	65.0	35.8	24.6	10.0	6.28	4.16	2.08
1.80V	115	83.2	60.3	34.2	23.2	9.71	6.08	4.11	2.03
1.85V	104	78.9	54.7	32.0	21.8	9.41	5.89	4.05	1.95

