

GEL Series Battery

GE series batteries are designed with AGM separator and GEL deep cycle technology to give Extra-durable cyclic performance at extreme temperature.
 GE series Batteries are designed for 15 years life time floating design life at 25°C
 Meet with IEC, BS,JIS and Eurobat standard .

Application

- * Emergency Power System
- * Communication equipment
- * Telecommunication systems
- * Uninterruptible power supplies
- * Electric toy car and wheelchairs, etc.
- * Power tools
- * Alarm system
- * Marine equipment
- * Medical equipment
- * Fire and Security System



General Features

- * Heavy Duty Grid
- * Mechanized assembly
- * Non-spillable construction
- * High Reliability and Stability
- * Long Life and low self-discharge design

Construction

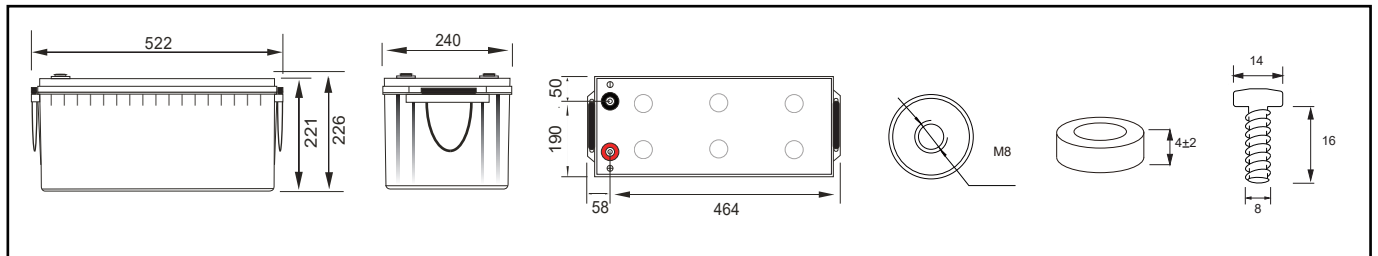
- *Positive Lead dioxide
 - *Electrolyte.....Silicon dioxide
 - *Separator AGM
 - *Container ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
 - *Negative Lead
 - *Safety ValveEPDR
 - * Terminal Copper
- UL94-V2 can be available upon request

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		200Ah	
	Cells Per battery		6-GFM-200	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	240mm (9.44 inches)	221mm (8.70 inches)	226mm (8.89 inches)
Approx Weight	56kg(123.45lbs) ± 3%			
Capacity @ 25°C (77°F)	20 hour rate(10.5V)	10 hour rate(10.8V)	5 hour rate(10.5V)	1 hour rate(9.6V)
	215.8Ah	200Ah	183.5Ah	130.5Ah
Max.discharge current	2400A (5 Sec.)			
	Full charged at 25°C(77°F): Approx 2.45mΩ			
Capacity affected by Temp.(20 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Self Discharge @25°C (77°F)	After 3 months storage		After 6 months storage	After 12 months storage
	98%		94%	74%
Charge method @25°C (77°F)	Cycle Use		Float Use	
	14.40-15.00V (Initial charging current less than60A)		13.50-13.80V	

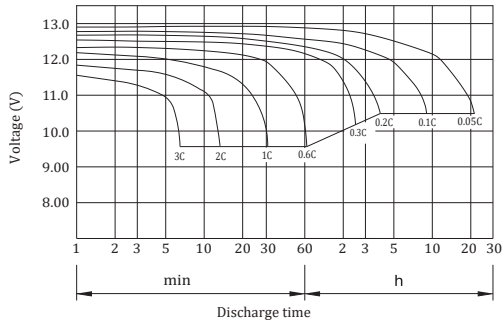
Outer dimension (mm)

Terminal Type (mm)

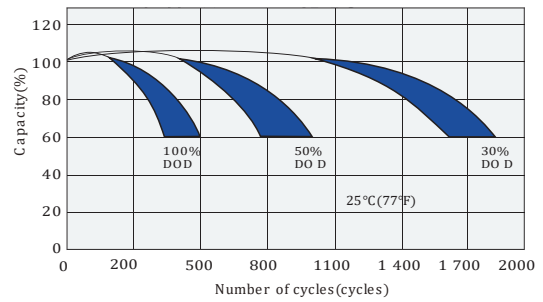


F.VVTIME		5MIN	15MIN	30MIN	60MIN	2 HR	3HR	5HR	8HR	10HR	20HR
1.60V/cell	A	670.000	362.000	224.000	130.500	78.500	57.100	38.000	25.400	20.710	11.030
	W	1187.000	655.000	417.000	245.000	148.000	108.800	73.130	49.120	40.390	21.680
1.67V/cell	A	610.000	339.000	217.000	127.000	76.700	56.300	37.600	25.200	20.580	10.960
	W	1101.000	624.000	406.000	240.000	146.000	107.600	72.530	48.870	40.210	21.600
1.70V/cell	A	568.000	328.000	213.000	125.200	75.700	55.800	37.300	25.070	20.490	10.910
	W	1051.000	608.000	400.000	237.000	144.600	106.900	72.080	48.680	40.080	21.530
1.75V/cell	A	516.000	308.000	206.000	121.200	73.500	54.600	36.700	24.720	20.270	10.790
	W	959.000	576.000	388.000	232.000	141.500	105.300	71.190	48.280	39.800	21.390
1.80V/cell	A	463.000	287.000	197.000	117.000	71.100	53.300	35.900	24.300	20.000	10.650
	W	863.000	542.000	375.000	226.000	138.000	103.600	70.200	47.830	39.490	21.230

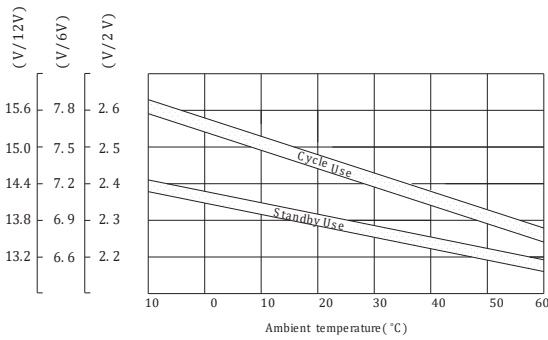
Discharge characteristic Curve



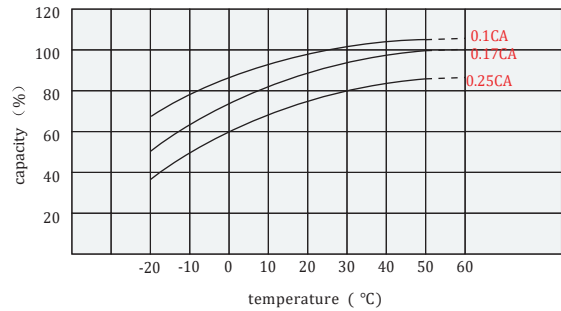
Cycle service life in relation to depth of discharge



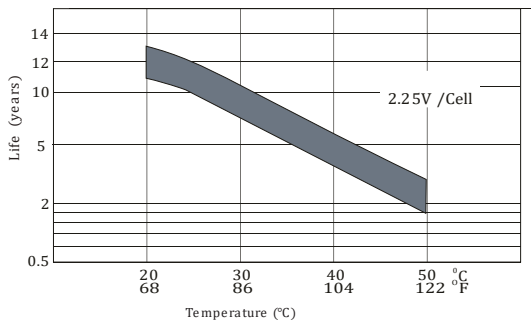
Relationship between charging voltage and temperature



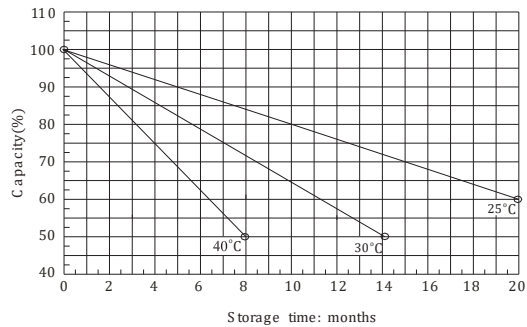
Relationship between temperature and capacity



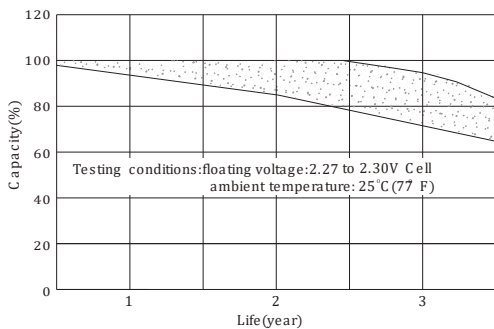
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

