BLW berryville

Guangdong Bailiwei Electronics Co., Ltd.

GE12V-250AH 12V250AH

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℃
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

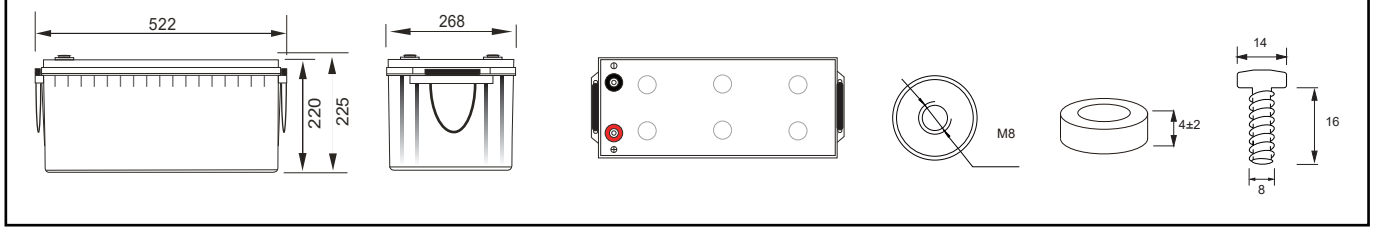
*Positive ..... Lead dioxide
*Electrolyte ..... Silicon dioxide
*Separator ..... AGM
*Container ..... ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
UL94-V2 can be available upon request
*Negative ..... Lead
*Safety Valve ..... EPDR
* Terminal ..... Copper

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10Hour rate)		250Ah	
	Cells Per battery		6-GFM-250	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	268mm(10.55inches)	220mm (8.66 inches)	225mm (8.86 inches)
Approx Weight	64.2kg(141.54lbs) ± 3%			
Capacity @ 25℃ (77˚F)	20 hour rate(10.5V)	10 hour rate(10.8V)	5 hour rate(10.5V)	1 hour rate(9.6V)
	262Ah	250Ah	221Ah	158Ah
Max.discharge current	3000A (5 Sec.)			
	Full charged at 25℃(77˚F): Approx 2.5mΩ			
Capacity affected by Temp.(20 HR)	40℃ (104˚F)	25℃ (77˚F)	0℃ (32˚F)	-15℃ (5˚F)
	102%	100%	85%	65%
Self Discharge @25℃ (77˚F)	After 3 months storage		After 6 months storage	After 12 months storage
	98%		94%	74%
Charge method @25℃ (77˚F)	Cycle Use		Float Use	
	14.40-15.00V (Initial charging current less than75A)		13.50-13.80V	

Outer dimension (mm)

Terminal Type (mm)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃ (77˚F)

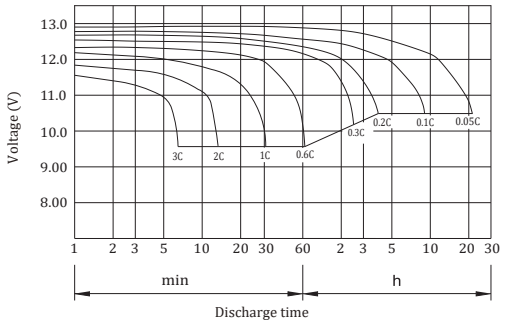
F.V\TIME		10MIN	15MIN	30MIN	60MIN	2 HR	3HR	5HR	8HR	10HR	20HR
1.60V/cell	A	500.000	424.000	272.000	158.000	94.300	68.100	45.700	31.100	25.800	13.300
	W	890.000	760.000	507.000	298.000	179.500	132.500	89.100	60.800	50.600	26.700
1.67V/cell	A	465.000	400.000	260.000	154.000	91.700	66.700	45.100	30.700	25.600	13.200
	W	854.000	725.000	486.000	293.000	175.200	130.600	88.000	60.200	50.200	26.500
1.70V/cell	A	444.000	382.000	254.000	152.000	90.200	66.000	44.700	30.500	25.400	13.100
	W	825.000	700.000	476.000	290.000	173.100	129.700	87.400	59.900	49.800	26.400
1.75V/cell	A	416.000	357.000	243.000	148.000	88.300	65.300	44.200	30.200	25.200	13.100
	W	777.000	665.000	460.000	285.000	169.900	128.300	86.500	59.400	49.400	26.200
1.80V/cell	A	382.000	329.000	230.000	143.000	85.800	64.400	43.400	29.700	25.000	12.800
	W	715.000	619.000	439.000	277.000	166.200	127.000	85.500	58.700	48.800	25.800

BLW
berryville

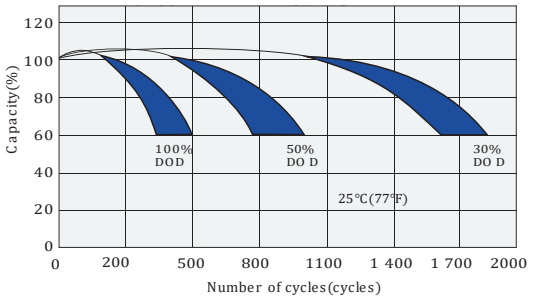
Guangdong Bailiwei Electronics Co., Ltd.

GE12V-250AH 12V250AH

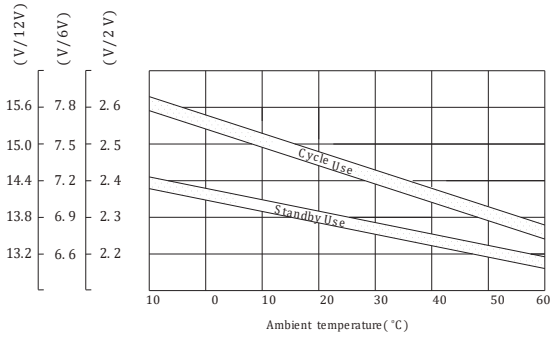
Discharge characteristic Curve



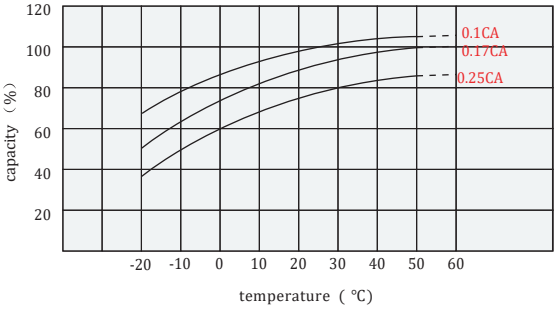
Cycle service life in relation to depth of discharge



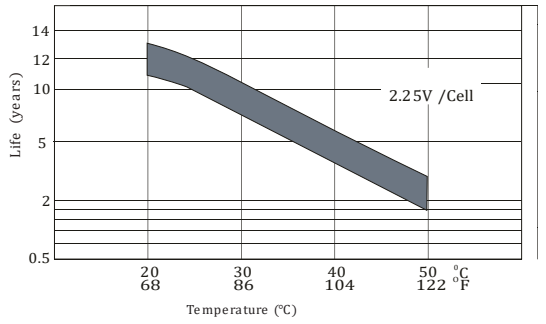
Relationship between charging voltage and temperature



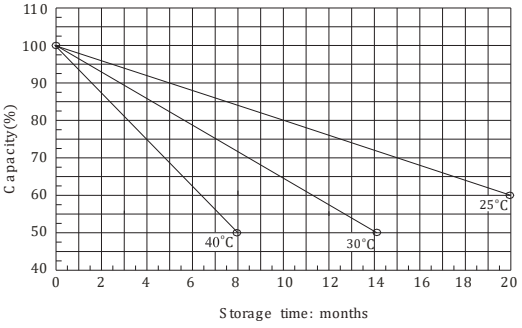
Relationship between temperature and capacity



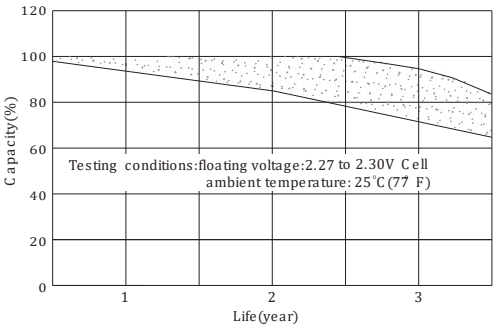
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use