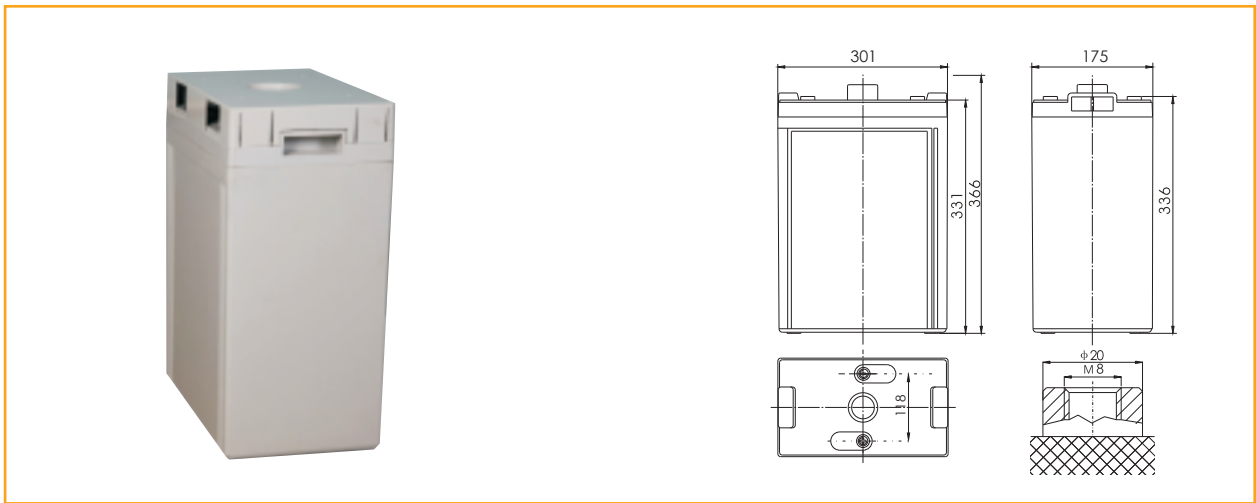


# GFM600

GFM  
For Long Life Standby Use



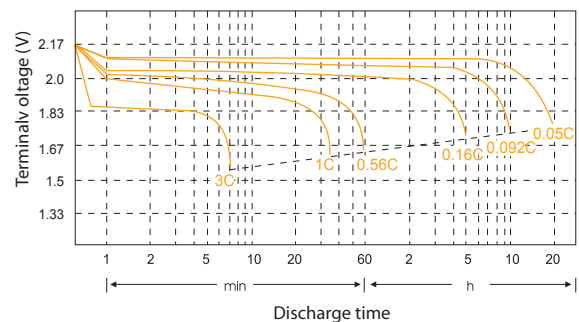
## Specifications

Nominal Voltage	2V	
Rated Capacity (20 hour rate)	600Ah	
Dimensions	Total Height (with terminals)	13.23inches(366mm)
	Height	13.04inches(331mm)
	length	11.85inches(301mm)
	width	6.89inches(175mm)
Weight	Approx.77.0pound (35.0kg)	

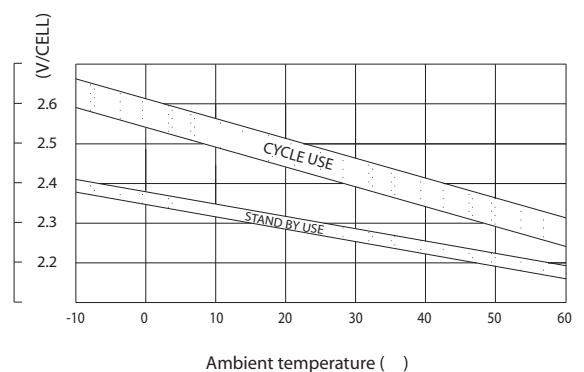
## Characteristics

Capacity 77°F(25 )	10 hour rate (60A)	600Ah
	5 hour rate (108A)	540Ah
	1 hour rate (360A)	360Ah
Internal Resistance	Full charged Battery 77°F(25°C)	0.5mΩ
Capacity affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25 )	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F(25 )	4200A (5S)	
Terminal	M3	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 120A Voltage 2.4~2.45V/77°F(25°C)
	Float	Voltage 2.23~2.27V/77°F(25°C)

## Discharge Curves 77°F(25°C)



## Relationship between charge voltage and temperature



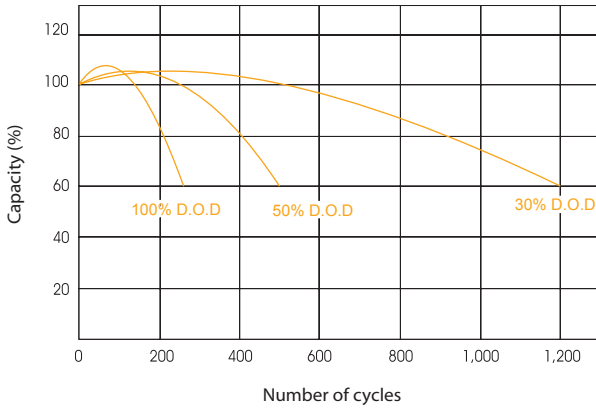
## Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.65	1009	830	561	330	154	117	63.7	34.3
1.70	923	779	527	306	150	112	62.2	33.1
1.80	850	726	479	281	146	108	60.0	31.9

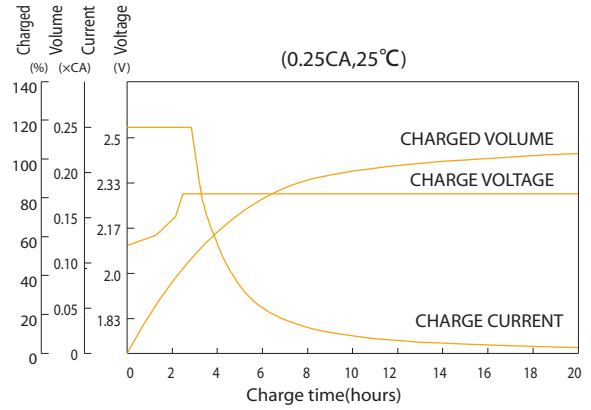
## Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.60	1807	1500	1020	708	318	215	120	63.6
1.70	1704	1441	984	665	314	210	119	62.4
1.80	1626	1396	922	620	312	206	117	61.2

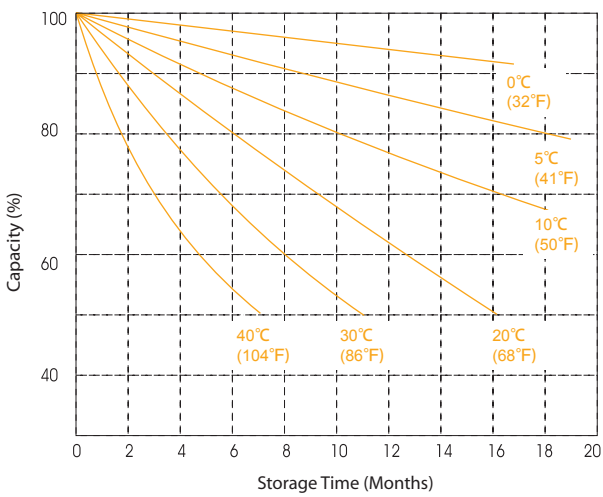
### Cycle service life in relation to depth of discharge



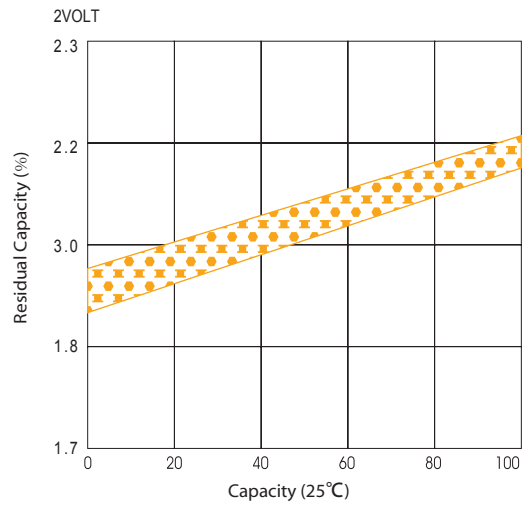
### Constant voltage charge characteristic



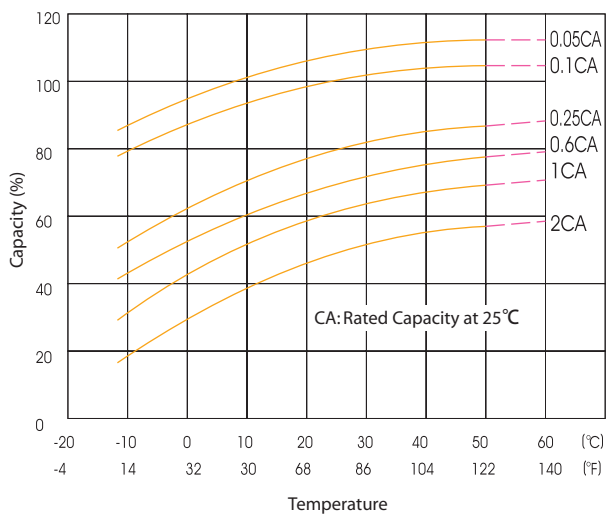
### Self-Discharge Characteristics



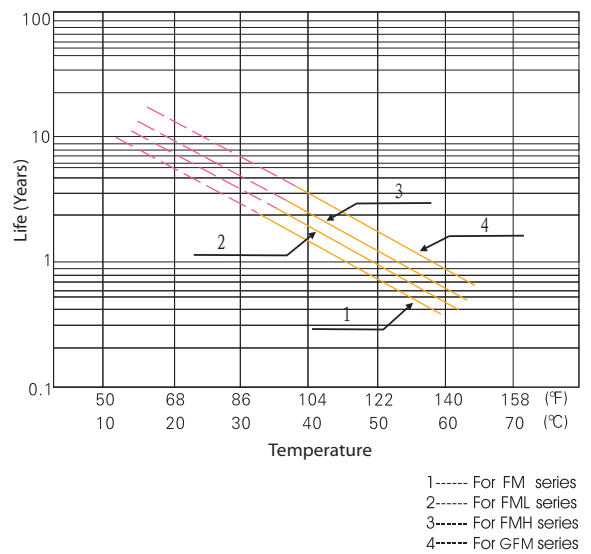
### Relationship of OCV and Residual Capacity % (25°C)



### Temperature effects on capacity



### Temperature effects float life



1----- For FM series  
2----- For FML series  
3----- For FMH series  
4----- For GFM series