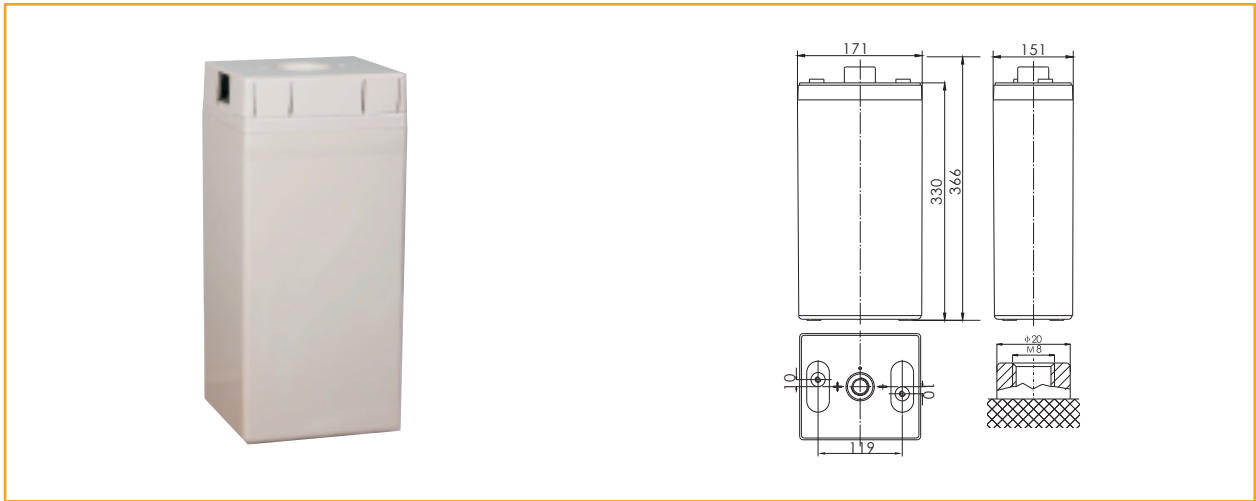


GFM300

GFM
For Long Life Standby Use



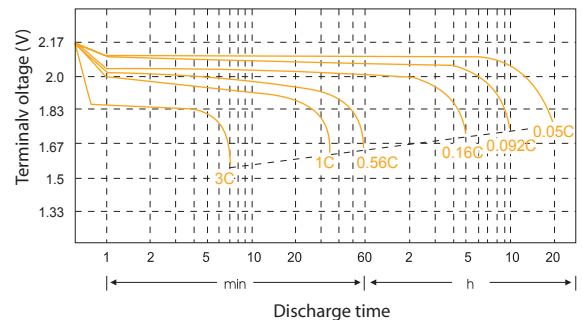
Specifications

Nominal Voltage	2V	
Rated Capacity (20 hour rate)	300A	
Dimensions	Total Height (with terminals)	14.41inches(366mm)
	Height	12.99inches(330mm)
	length	6.73inches (171mm)
	width	5.94inches (151mm)
Weight	Approx. 39.60pound (18.0kg)	

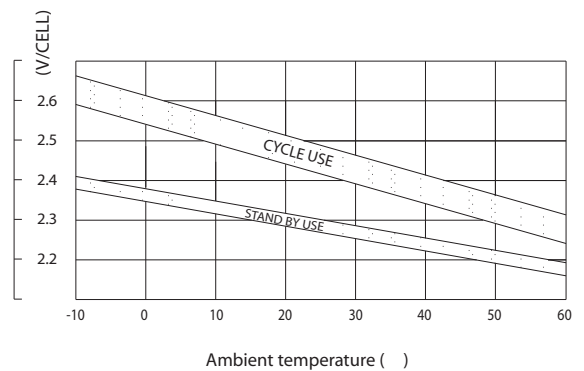
Characteristics

Capacity 77°F (25 °)	10 hour rate (30 A)	300Ah
	5 hour rate (54 A)	270Ah
	1 hour rate (180A)	180Ah
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 °)	2100A(5S)	
Terminal	M3	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 60A 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



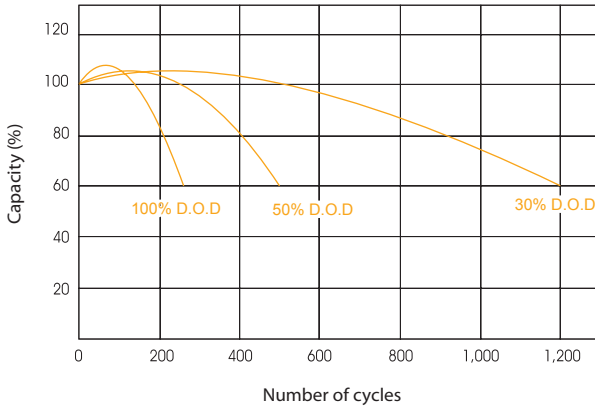
Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.65	504	415	280	165	76.7	58.3	31.7	17.1
1.70	462	389	264	153	75.0	56.2	30.9	16.5
1.80	425	363	240	140	72.6	54.0	30.0	16.0

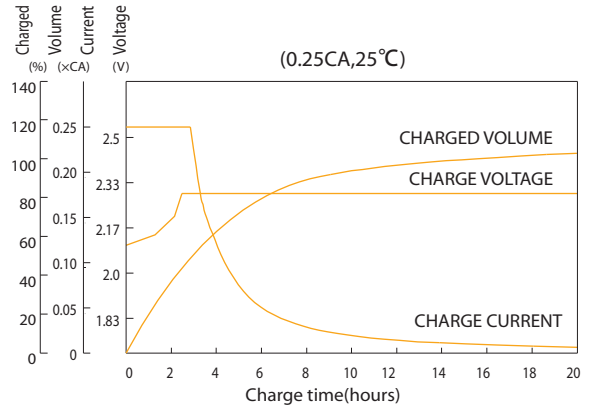
Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.60	904	750	510	354	159	107	60.0	31.8
1.70	852	721	492	332	158	105	59.4	31.2
1.80	813	678	461	310	156	103	58.8	30.6

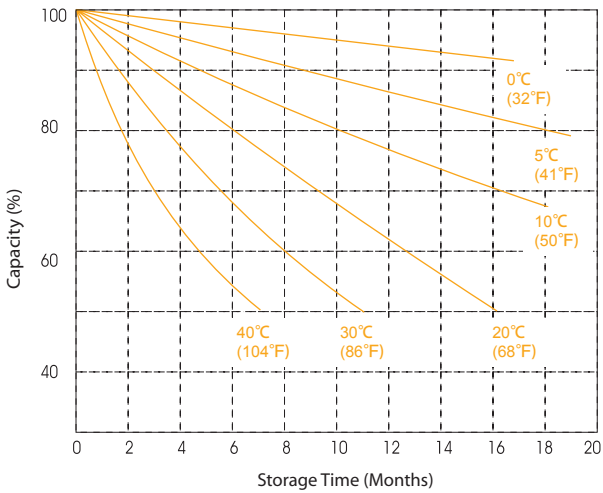
Cycle service life in relation to depth of discharge



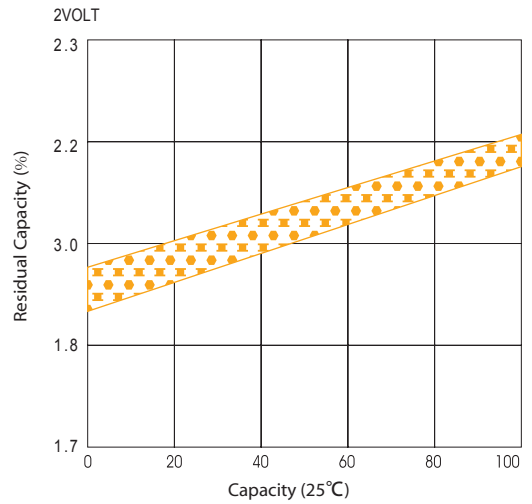
Constant voltage charge characteristic



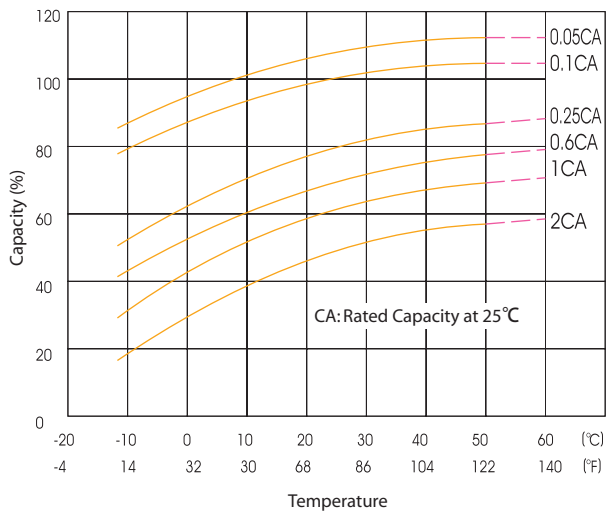
Self-Discharge Characteristics



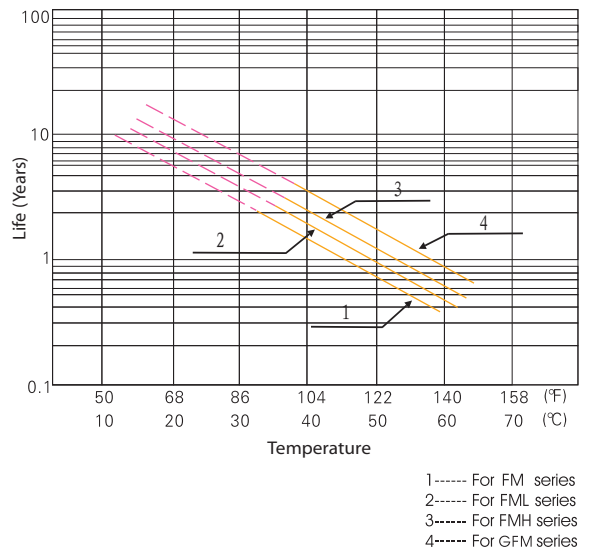
Relationship of OCV and Residual Capacity % (25°C)



Temperature effects on capacity



Temperature effects float life



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