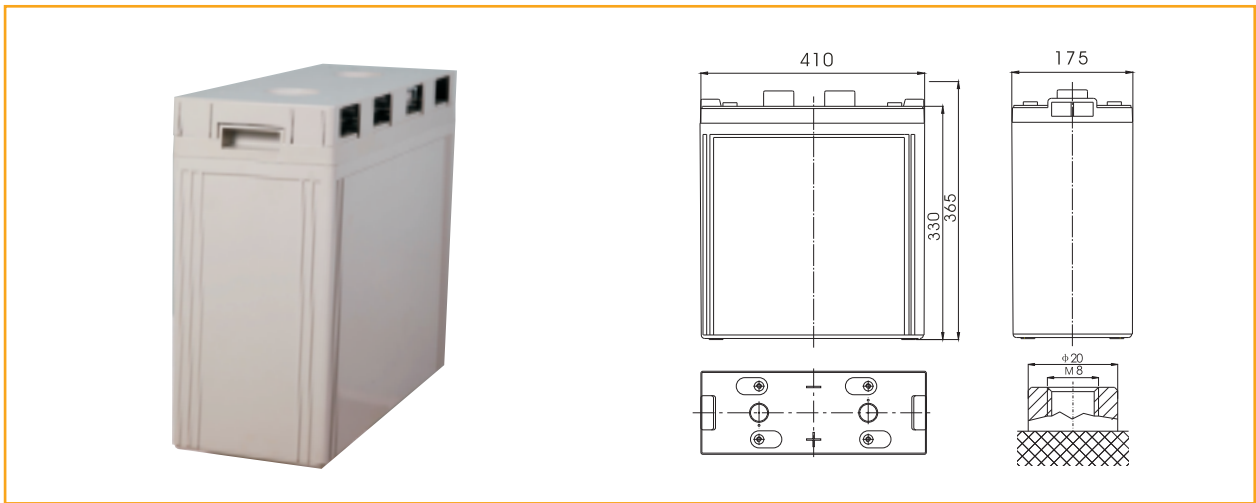


GFM800

GFM
For Long Life Standby Use



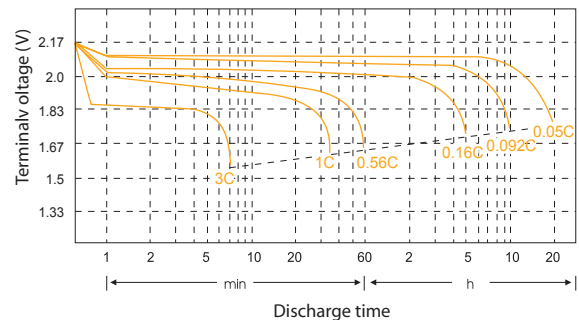
Specifications

Nominal Voltage	2V	
Rated Capacity (20 hour rate)	800Ah	
Dimensions	Total Height (with terminals)	14.3inches(365mm)
	Height	13.0inches(330mm)
	length	16.1inches(410mm)
	width	6.89inches(175mm)
Weight	Approx.108.9pound(49.5kg)	

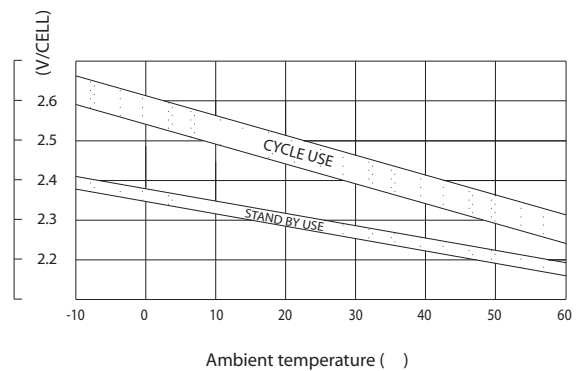
Characteristics

Capacity 77°F (25 °C)	10 hour rate (80A)	800Ah
	5 hour rate (144A)	720Ah
	1 hour rate (480A)	480Ah
Internal Resistance	Full charged Battery 77°F(25°C)	0.24mΩ
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 °C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F (25 °C)	5600A(5S)	
Terminal	M3	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 160A 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



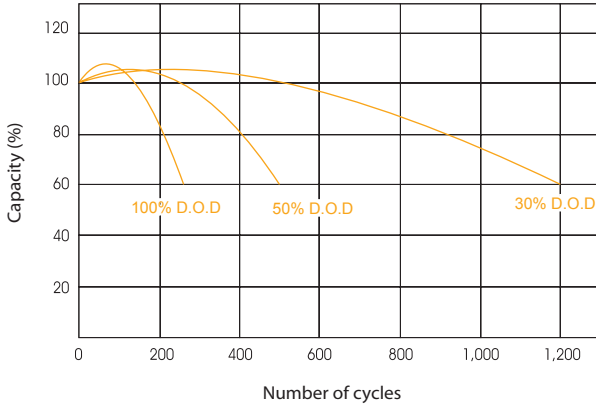
Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.65	1346	1106	748	440	205	155	84.4	45.7
1.70	1231	1039	703	408	200	150	82.0	44.1
1.80	1134	968	639	375	194	144	80.0	42.5

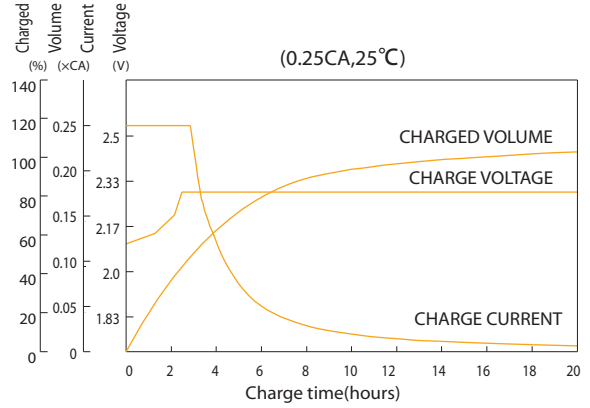
Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.60	2410	2000	1360	944	424	286	160	84.8
1.70	2272	1922	1312	886	419	280	158	83.2
1.80	2168	1861	1230	827	415	275	157	81.6

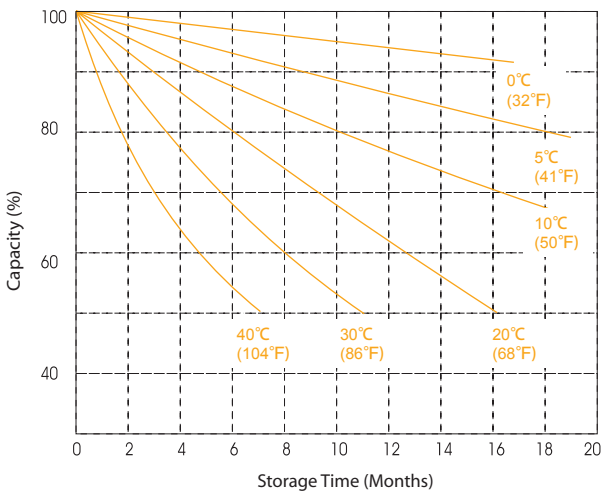
Cycle service life in relation to depth of discharge



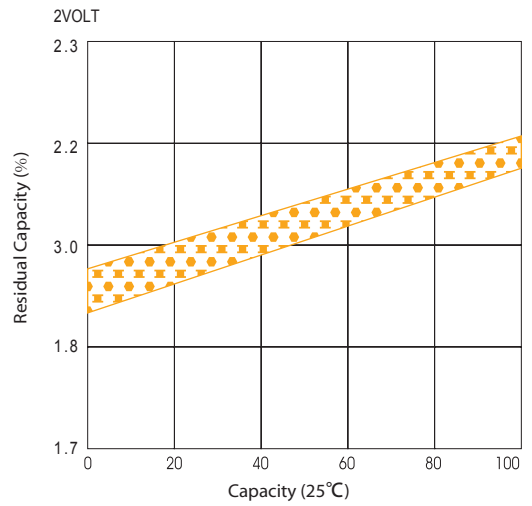
Constant voltage charge characteristic



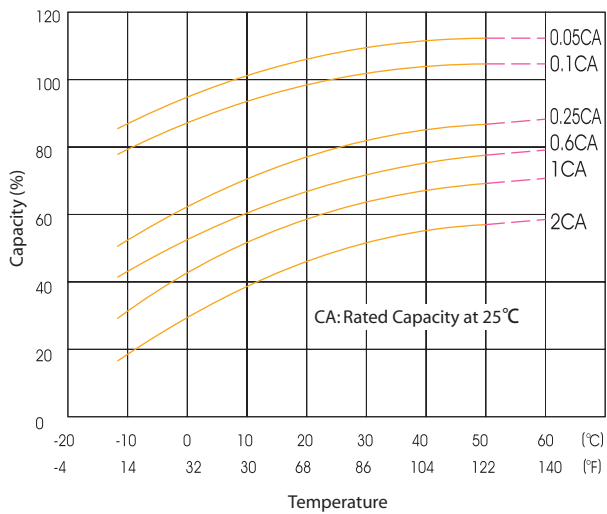
Self-Discharge Characteristics



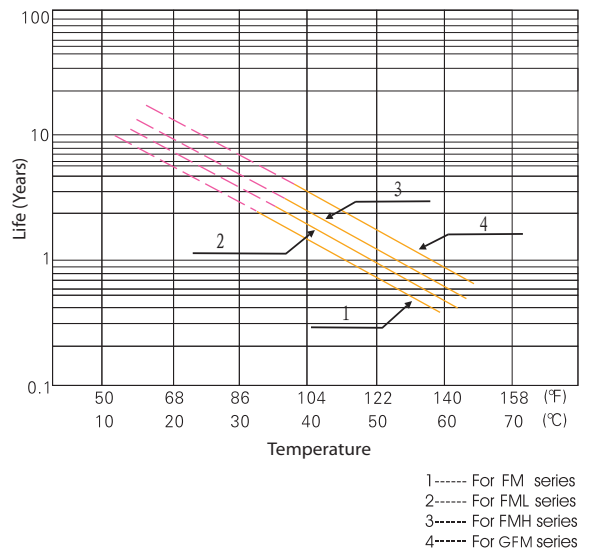
Relationship of OCV and Residual Capacity % (25°C)



Temperature effects on capacity



Temperature effects float life



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