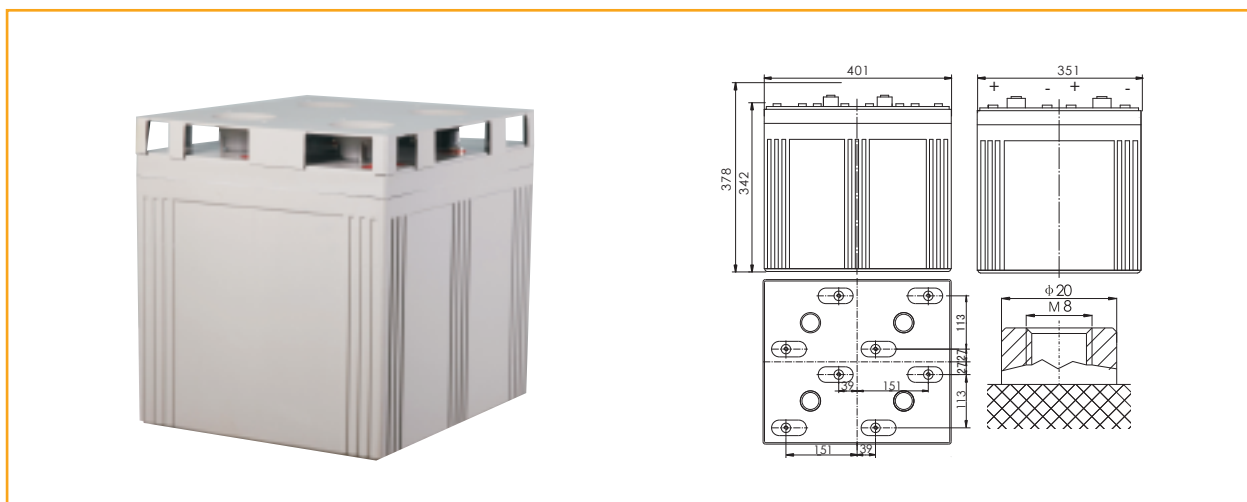


GFM1500

GFM
For Long Life Standby Use



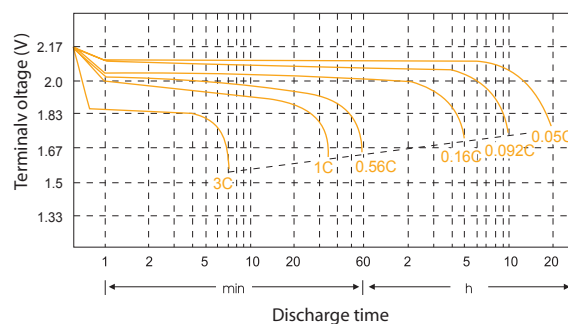
Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		1500AH
Dimensions	Total Height (with terminals)	14.88inches (378mm)
	Height	13.46inches (342mm)
	length	15.79inches (401mm)
	width	13.82inches (351mm)
Weight		Approx. 203.72pound (92.6kg)

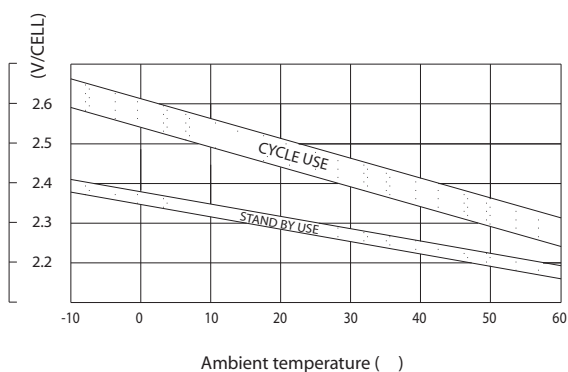
Characteristics

Capacity 77°F (25 °C)	10 hour rate (150 A)	1500Ah
	5 hour rate (270 A)	1350Ah
	1 hour rate (825A)	900Ah
Internal Resistance	Full charged Battery 77°F(25°C)	0.2mΩ
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)	10500A(5S)	
Terminal	M3	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 300A
		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



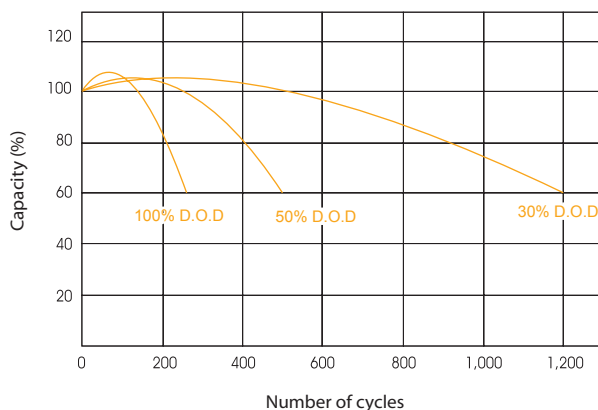
Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.65	2524	2074	1402	825	383	291	158	85.7
1.70	2308	1950	1318	764	375	281	154	82.6
1.80	2126	1763	1197	702	362	270	150	79.8

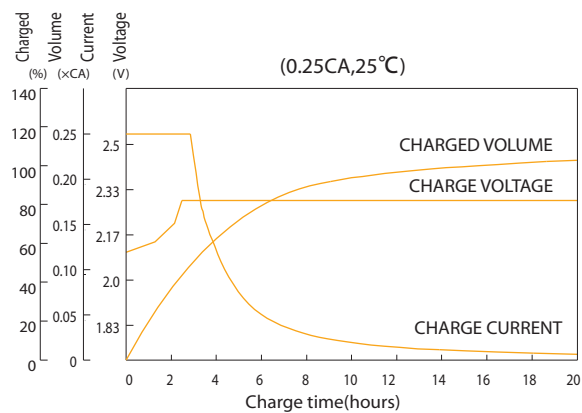
Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	10Hour	20Hour
1.60	4520	3750	2550	1770	795	535	300	159
1.70	4260	3605	2460	1660	790	525	297	156
1.80	4065	3390	2305	1550	780	515	294	153

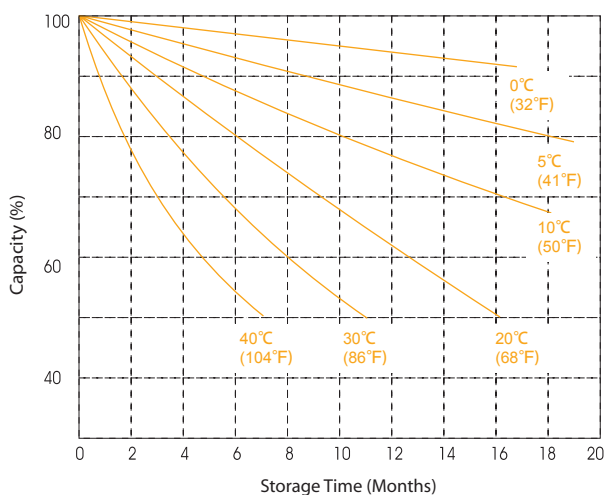
Cycle service life in relation to depth of discharge



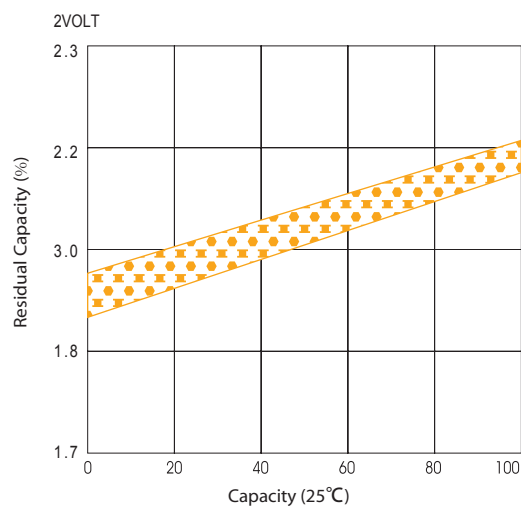
Constant voltage charge characteristic



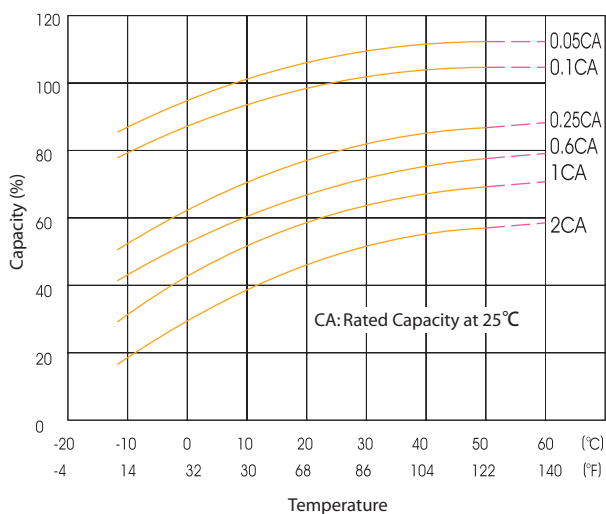
Self-Discharge Characteristics



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



Temperature effects on capacity



Temperature effects float life

