

## Model: **GFM3000**

## GFM Series

The GFM range of gel technology batteries offers outstanding performance including a 15+ years design life. The GFM series is designed by using the polymer gel electrolyte and compliant with the latest IEC60896-21/22 standard. This GFM series also offers 100% capacity out of the box and is capable of handling deep discharges for complete peace of mind. The multiple installations to both horizontally and vertically are easily accessible due to the flexible connectors design.



### Specifications

Battery Model	GFM3000			
Nominal Voltage	2V			
Capacity (25°C)	10HR (300A, 1. 80V)	3HR (750A, 1. 80V)	1HR (1650A, 1. 75V)	
	3000AH	2250AH	1650AH	
Dimensions	Length	Width	Height	Total Height
	496mm	363mm	361. 7mm	383.5mm
Approx. Weight	175kg			
Internal Resistance	0. 10mΩ			
Max Charge Current Allowed	750A			
Charge Voltage (25°C)	Cycle use		Float use	
	2. 35V/cell		2. 25V/cell	
Temperature Ranges	Operation (maximum):		-40°C to 55°C (-40°F to 131°F)	
	Operation (recommended):		15°C to 25°C (59°F to 77°F)	
	Storage:		-20°C to 40°C (-4°F to 104°F)	
Terminal	M8 Female			
Terminal Hardware Torque	15 ± 1. 0Nm			
Container Material	ABS (V0 optional)			

### Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	5min	15min	30min	1h	2h	3h	5h	6h	8h	10h	24h	48h	100h
1.60V	4365.1	3672.9	2984.7	1966.9	1211.2	889.2	575.5	495.9	388.2	318.3	147.5	78.8	44.2
1.65V	4093.3	3457.1	2722.0	1856.5	1176.8	865.3	568.4	490.0	384.9	316.5	145.4	78.1	43.5
1.70V	3846.9	3271.6	2489.2	1764.0	1136.4	826.4	554.2	478.1	379.3	311.6	144.8	77.5	42.8
1.75V	3628.9	3079.3	2295.2	1653.7	1094.6	807.5	544.7	471.1	374.1	308.9	143.5	76.6	41.7
1.80V	3428.4	2871.8	2149.0	1568.9	1061.7	782.4	528.6	458.6	364.1	304.8	140.5	75.3	40.4
1.85V	2943.5	2442.7	1889.3	1396.8	957.0	724.2	498.9	436.7	352.3	292.4	136.4	71.6	39.0
1.90V	2410.7	1928.6	1570.0	1148.0	800.0	643.9	451.8	393.9	317.7	266.4	127.4	66.9	36.0

### Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

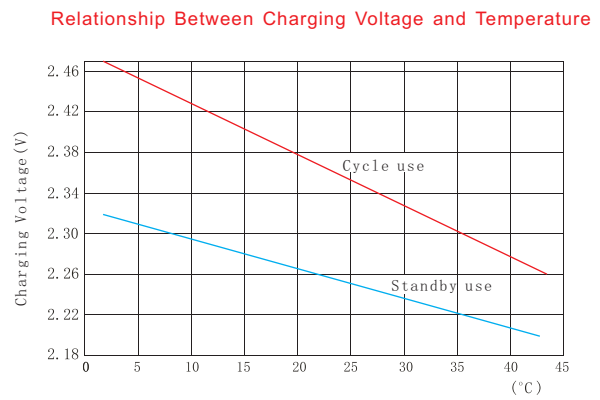
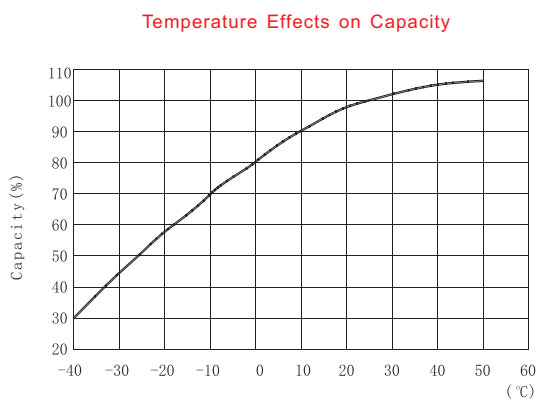
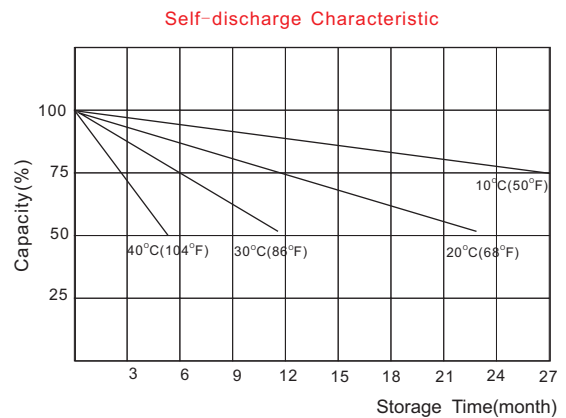
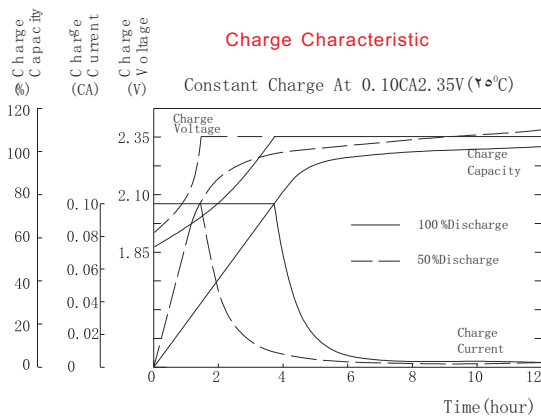
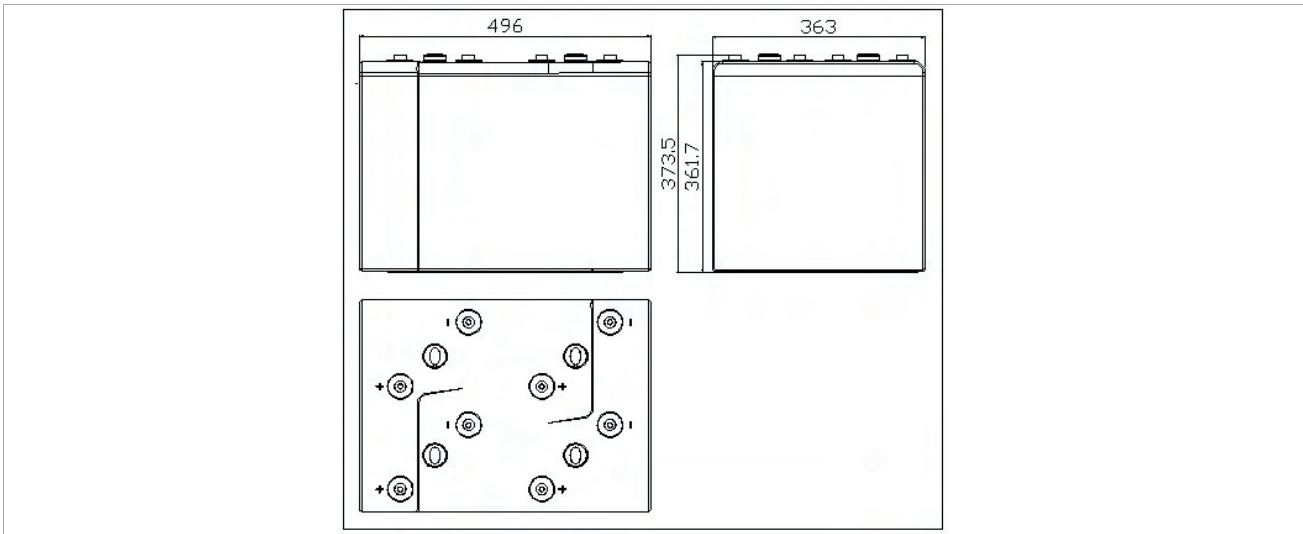
End voltage per cell	5min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	24h
1.60V	8453.4	7079.8	5637.3	4014.2	2590.1	1918.6	1529.9	1267.2	1082.3	845.9	690.7	311.4
1.65V	8039.9	6794.3	5332.0	3709.2	2376.1	1800.5	1451.2	1223.0	1047.8	814.7	674.2	305.5
1.70V	7729.7	6553.0	5199.1	3532.1	2307.2	1736.6	1402.0	1195.4	1027.2	796.9	654.3	299.6
1.75V	7488.5	6306.8	5021.8	3394.4	2225.5	1672.6	1372.5	1165.9	1003.6	767.4	644.4	296.6
1.80V	7281.7	6011.4	4844.6	3315.7	2184.2	1613.6	1328.2	1133.4	974.0	747.8	634.6	292.2
1.85V	6621.9	5474.8	4308.0	3015.6	2007.1	1528.0	1277.1	1080.3	922.4	723.2	610.0	280.4
1.90V	5844.0	4751.1	3633.5	2597.4	1741.5	1416.8	1189.0	1009.5	861.9	676.5	565.7	262.7

stored energy solutions for a demanding world



Model: **GFM3000**

**GFM Series**



**TYSONIC BATTERY INC.**

1032 East Main Street . Alhambra, CA 91801 USA  
Toll Free: 877-897-6648 . Tel: (626) 289-5962 . Fax: (626) 576-2503  
<http://www.tysonicbattery.com> . Email: [info@tysonicbattery.com](mailto:info@tysonicbattery.com)

