

# GFM-C Series

## GFM-3000C 2V3000Ah

GFM-C series VRLA battery uses latest AGM technology, high purity raw materials and many patented technologies that ensure its long floating and cycle life, it is applicable to less frequency of power failure, and shallow discharge of depth site. It is mainly used for indoor telecommunication base station.



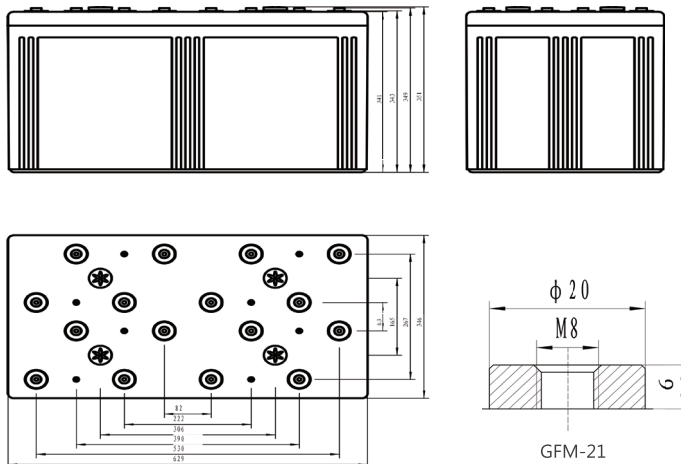
### Benefits

- Long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Vertical installation

### Applications

- Telecommunications
- Power system
- UPS
- Emergency power

### Drawing



### Standards

- IEC 60896-21/22
- JIS C8704-1/2
- EUROBAT guide

### Specifications

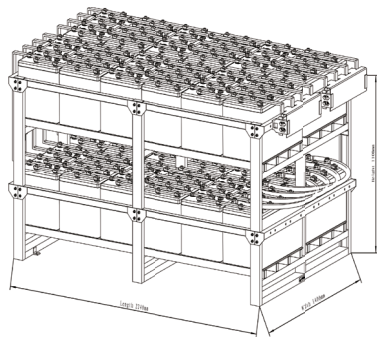
Battery Model	GFM-3000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (300A, 1.80V)	5HR (510A, 1.80V)	3HR (750A, 1.80V)	1HR (1654A, 1.75V)
	3000	2550	2250	1650
Dimensions (mm)	Length	Width	Height	Total Height
	629	346	341	351
Approx. Weight (kg)	177.3			
Reference Internal Resistance (mΩ)	0.10 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	13000			
Self-Discharge (25°C)	≤ 1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 450A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	20000			

## Discharge Data

Constant Current Discharge Data (25°C, A)															
End Voltage (V/cell)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	6300	4867	4027	3467	2752	2306	1997	1740	1335	1084	799	535	370	309	132
1.65	5727	4457	3722	3230	2596	2196	1916	1710	1303	1065	788	529	366	307	131
1.70	5230	4090	3443	3009	2447	2088	1834	1660	1269	1046	777	523	363	304	131
1.75	4575	3767	3242	2868	2364	2032	1793	1650	1249	1027	764	516	360	302	130
1.80	4016	3487	3060	2735	2276	1965	1737	1571	1214	1003	750	510	356	300	129

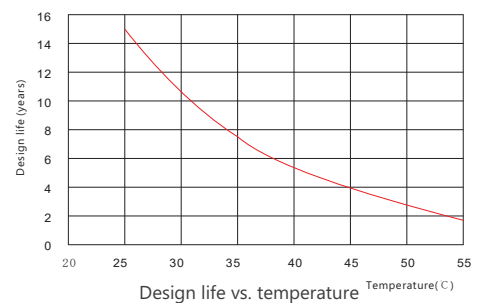
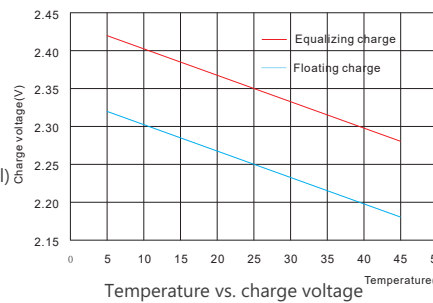
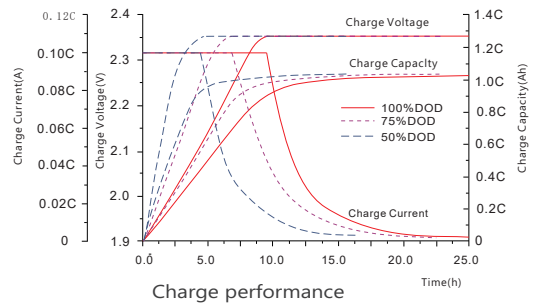
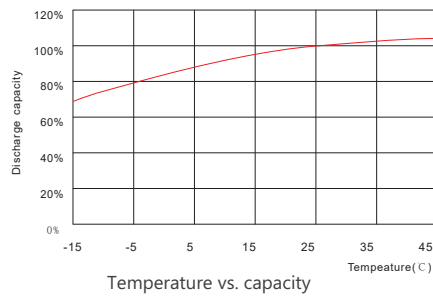
Constant Power Discharge Data (25°C, W/cell)															
End Voltage (V/cell)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	9180	7891	6653	5890	4634	3886	3437	3060	2382	1968	1462	990	712	595	265
1.65	8433	7163	6096	5432	4305	3659	3267	2955	2291	1901	1422	972	703	584	262
1.70	7443	6563	5670	5079	4018	3470	3091	2870	2232	1849	1393	959	695	579	258
1.75	6669	6069	5285	4722	3767	3260	2952	2735	2169	1803	1364	941	686	571	254
1.80	6129	5569	4842	4349	3532	3080	2845	2612	2103	1754	1336	925	677	565	250

## Rack Layout



48V Standard Rack (Anti-seismic rack is optional)  
Rack material: powder-coated steel  
Height\*width: 2\*2  
Ref. GFM-3000C Rack (approx. weight:4556kg)

## Performance Curve



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