

GFM-H Series

GFM-2000HB 2V2000Ah

GFM-H series batteries use AGM technology with single large capacity and thick plate structure design. It has longer floating life and high floating consistency. Its modular and horizontal structure design ensures convenient installation and maintenance, saving space effectively. It is suitable for applications with high floating consistency requirements and data center, especially for the temperature of 35°C.



Benefits

- Very long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Horizontal installation method effectively prevent electrolyte stratification

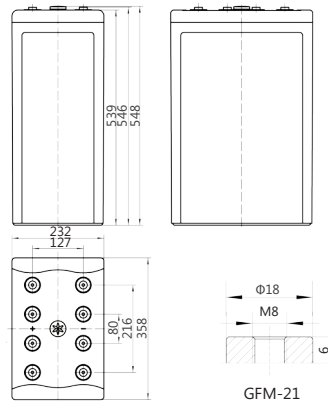
Applications

- Telecommunications
- Power system
- UPS
- Electrical Power plants and substation
- Data center

Standards

- IEC 60896-21/22
- DL/T 637-1997
- EUROBAT guide

Drawing



Specifications

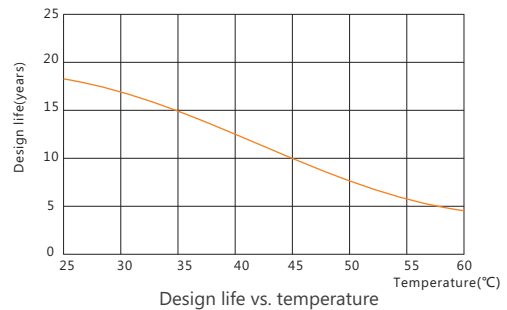
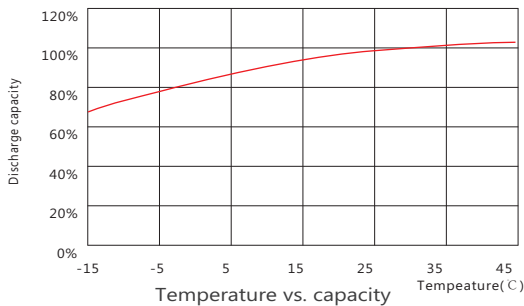
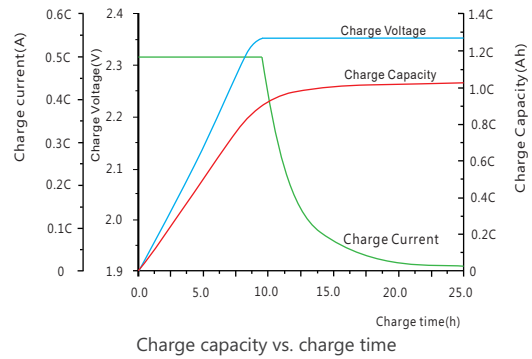
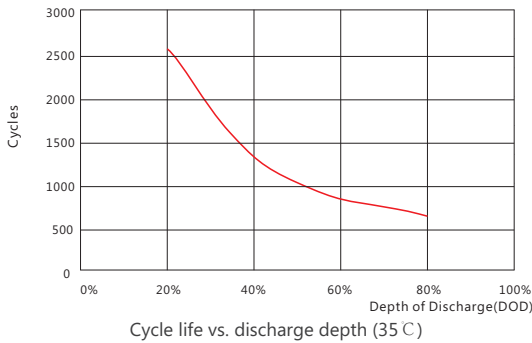
Battery Model	GFM-2000HB			
Design Life (years, 25°C)	18			
Capacity (Ah, 25°C)	10HR (200.0A, 1.80V)	5HR (340.0A, 1.80V)	3HR (500A, 1.80V)	1HR(1100A, 1.75V)
	2000	1700	1500	1100
Dimensions (mm)	Length	Width	Height	Total Height
	358	232	539	548
Approx. Weight (kg)	117.5			
Reference Internal Resistance (mΩ)	0.22 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	7800			
Self-Discharge (25°C)	≤ 1.5% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 1000A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	14000			

Discharge Data

Constant Current Discharge Data (25°C, A)																			
End Voltage (V/cell)	min							h											
	5	10	15	20	30	40	50	1	2	3	4	5	6	7	8	9	10	12	
1.60	2900	2576	2400	2254	1606	1482	1312	1174	746	570	456	386	334	296	262	240	220	182	
1.65	2679	2388	2260	2099	1562	1446	1282	1154	730	556	446	378	328	290	258	236	216	180	
1.70	2479	2249	2140	1959	1502	1400	1250	1130	712	542	434	368	320	282	252	232	212	177	
1.75	2312	2123	2020	1832	1430	1344	1214	1100	690	524	418	356	310	274	244	226	206	173	
1.80	2080	1977	1884	1722	1346	1276	1160	1060	660	500	400	340	298	264	236	218	200	168	

Constant Power Discharge Data (25°C, W/cell)																			
End Voltage (V/cell)	min							h											
	5	10	15	20	30	40	50	1	2	3	4	5	6	7	8	9	10	12	
1.60	4600	4342	4053	3733	2780	2580	2294	2060	1320	1016	822	704	616	548	490	452	416	348	
1.65	4294	4053	3792	3492	2730	2540	2264	2044	1304	1000	810	694	608	540	484	446	410	346	
1.70	4008	3774	3515	3245	2660	2490	2230	2020	1284	986	794	680	598	530	476	440	404	342	
1.75	3758	3539	3318	3063	2570	2420	2190	1990	1260	966	776	664	584	520	464	432	396	336	
1.80	3461	3281	3083	2865	2464	2340	2130	1952	1230	940	756	646	568	506	454	422	388	328	

Performance Curve



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