

# GFM-H Series

## GFM-1000H 2V1000Ah

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.



### 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

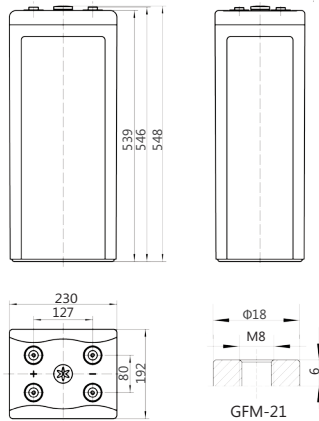
### Applications

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

### Standards

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

### Drawing



### Specifications

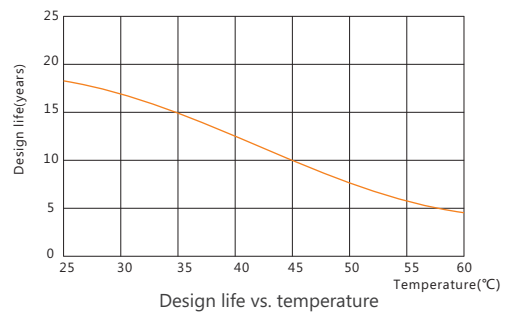
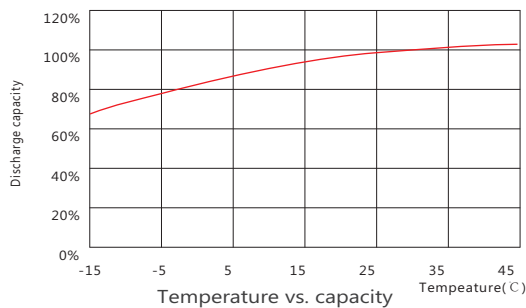
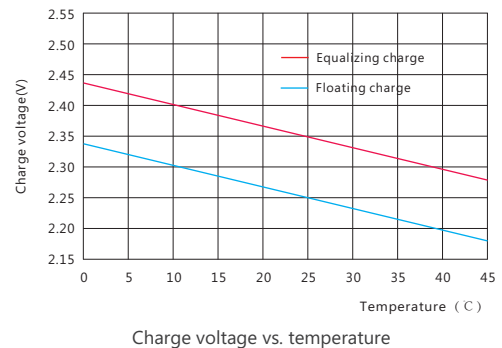
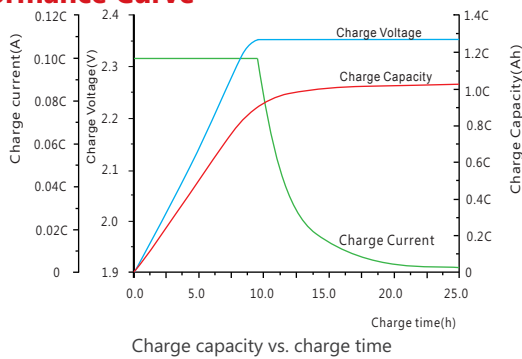
Battery Model	GFM-1000H			
Design Life (years, 25°C)	18			
Capacity (Ah, 25°C)	10HR (100.0A, 1.80V)	5HR (170.0A, 1.80V)	3HR (250A, 1.80V)	1HR(550A, 1.75V)
	1000	850	750	550
Dimensions (mm)	Length	Width	Height	Total Height
	192	230	539	548
Approx. Weight (kg)	60.4			
Reference Internal Resistance (mΩ)	0.25 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	3800			
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: 150A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	8000			

## Discharge Data

Constant Current Discharge Data (25°C, A)															
End Voltage (V/cell)	min			h											
	30	40	50	1	2	3	4	5	6	7	8	9	10	12	
1.60	803	741	656	587	373	285	228	193	167	148	131	120	110	91.0	
1.65	781	723	641	577	365	278	223	189	164	145	129	118	108	90.0	
1.70	751	700	625	565	356	271	217	184	160	141	126	116	106	88.5	
1.75	715	672	607	550	345	262	209	178	155	137	122	113	103	86.5	
1.80	673	638	580	530	330	250	200	170	149	132	118	109	100	84.0	

Constant Power Discharge Data (25°C, W/cell)															
End Voltage (V/cell)	min			h											
	30	40	50	1	2	3	4	5	6	7	8	9	10	12	
1.60	1390	1290	1147	1030	660	508	411	352	308	274	245	226	208	174	
1.65	1365	1270	1132	1022	652	500	405	347	304	270	242	223	205	173	
1.70	1330	1245	1115	1010	642	493	397	340	299	265	238	220	202	171	
1.75	1285	1210	1095	995	630	483	388	332	292	260	232	216	198	168	
1.80	1232	1170	1065	976	615	470	378	323	284	253	227	211	194	164	

## Performance Curve



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