

GFM Series

GFM-1500 2V1500Ah

GFM series VRLA battery is a robust AGM battery designed for telecom, energy storage and UPS applications. Sacred Sun has got more than 10 years high volume manufacturing experience. Its excellent performance make it an impressive product in China and overseas market.



Benefits

- Very long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

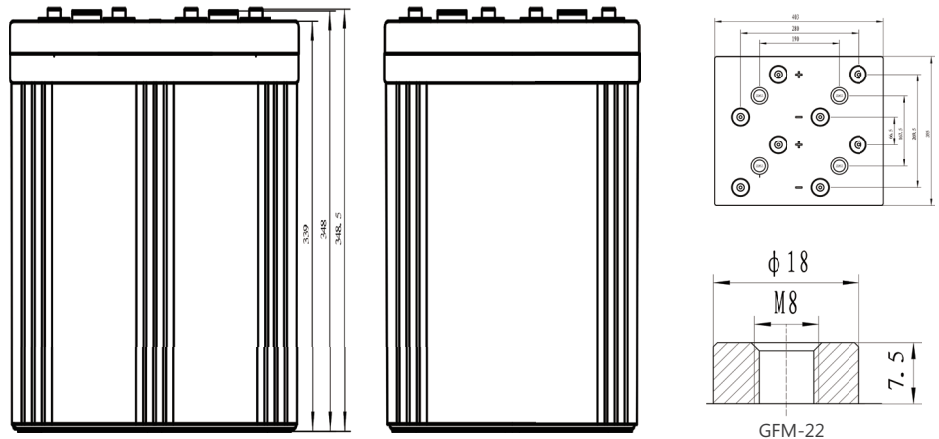
Applications

- Telecommunications
- Power system
- Renewable energy
- UPS
- Emergency power

Standards

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

Drawing



Specifications

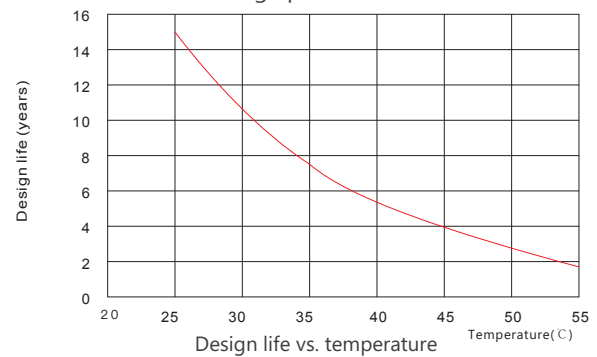
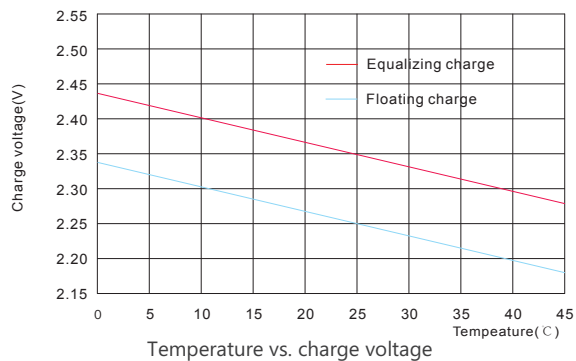
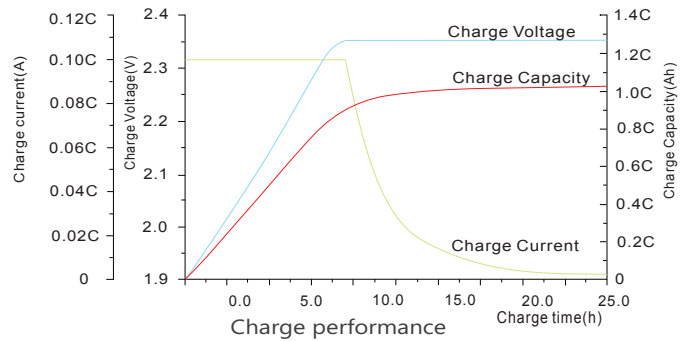
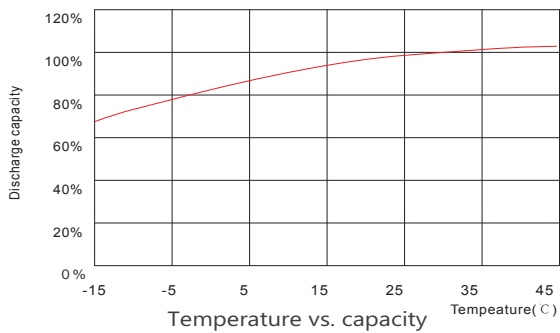
Battery Model	GFM-1500			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (150A, 1.80V)	5HR (256A, 1.80V)	3HR (379A, 1.80V)	1HR (829A, 1.75V)
	1500	1280	1137	829
Dimensions (mm)	Length	Width	Height	Total Height
	403	355	339	348.5
Approx. Weight (kg)	100.0			
Reference Internal Resistance (mΩ)	0.13 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	7700			
Self-Discharge (25°C)	≤ 1 % per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 300A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	15788			

Discharge Data

Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min					h							
	5	10	15	20	30	1	2	3	5	6	8	10	24
1.60	3400	2604	2134	1803	1417	887	544	402	269	234	186	155	66.5
1.65	3033	2362	1954	1663	1324	864	535	396	266	232	184	154	66.1
1.70	2772	2147	1790	1592	1236	834	525	390	263	229	183	153	65.6
1.75	2382	1968	1669	1493	1188	829	516	384	259	226	181	152	65.2
1.80	2108	1796	1561	1390	1140	800	504	379	256	224	179	150	64.8

Constant Power Discharge Data (25°C, W/cell)													
End Voltage (V/cell)	min					h							
	5	10	15	20	30	1	2	3	5	6	8	10	24
1.60	4957	4222	3526	3063	2387	1561	989	734	497	437	358	299	148
1.65	4465	3797	3200	2797	2233	1492	955	714	489	428	353	294	145
1.70	3945	3446	2948	2582	2089	1442	929	700	482	423	349	291	143
1.75	3473	3170	2722	2404	1954	1374	906	685	473	418	345	287	141
1.80	3218	2897	2500	2213	1836	1330	881	671	465	411	340	284	139

Performance Curve



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