

GFM Series

GFM-1200 2V1200Ah

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

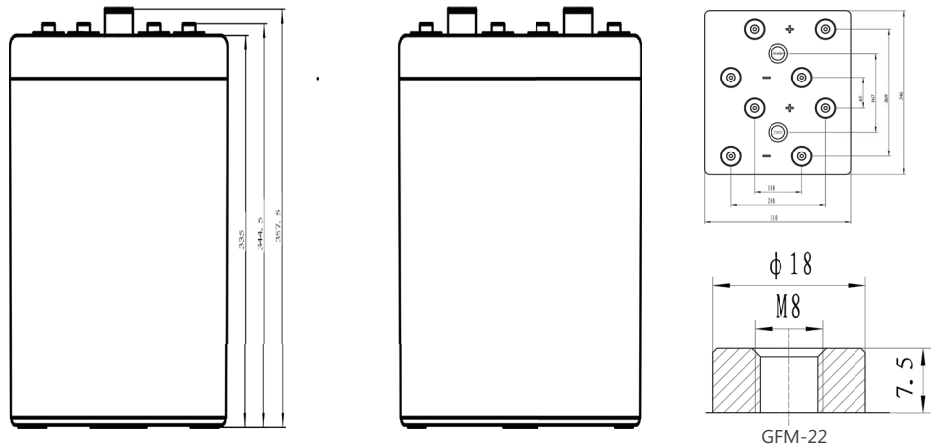
Applications

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

Standards

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

Drawing



Specifications

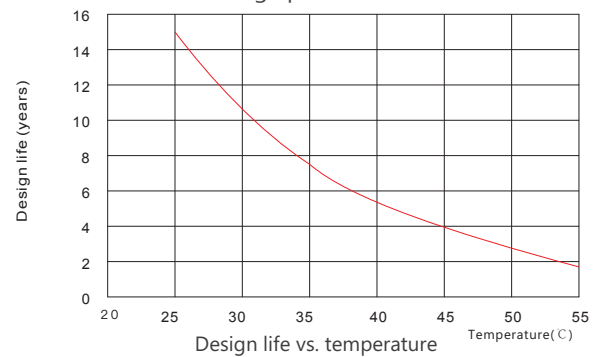
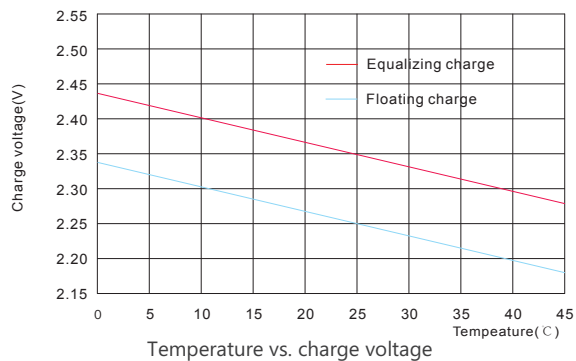
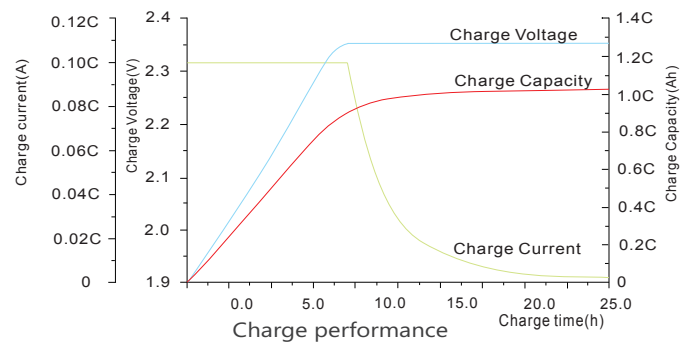
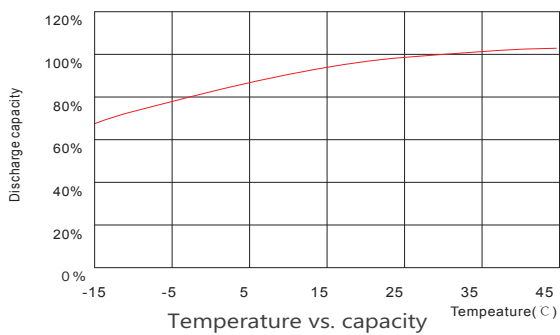
Battery Model	GFM-1200			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (120A, 1.80V)	5HR (205A, 1.80V)	3HR (303A, 1.80V)	1HR (663A, 1.75V)
	1200	1025	909	663
Dimensions (mm)	Length	Width	Height	Total Height
	346	310	335	357.5
Approx. Weight (kg)	82.0			
Reference Internal Resistance (mΩ)	0.155 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	6200			
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: 240A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	14052			

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	2720	2083	1707	1442	1134	710	436	321	215	187	149	124	53.2
1.65	2426	1890	1563	1331	1059	691	428	317	213	185	147	123	52.8
1.70	2217	1718	1432	1274	989	667	420	312	210	183	146	122	52.5
1.75	1906	1574	1336	1194	950	663	413	307	208	181	145	121	52.2
1.80	1687	1437	1249	1112	912	640	403	303	205	179	143	120	51.8

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	3966	3377	2821	2450	1909	1248	791	588	398	350	286	239	118
1.65	3572	3037	2560	2238	1787	1194	764	572	391	343	283	235	116
1.70	3156	2757	2359	2066	1671	1154	743	560	386	338	279	233	114
1.75	2778	2536	2177	1923	1563	1100	725	548	378	334	276	230	113
1.80	2574	2318	2000	1770	1469	1064	705	537	372	329	272	227	111

Performance Curve



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