

GFM Series

GFM-600 2V600Ah

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

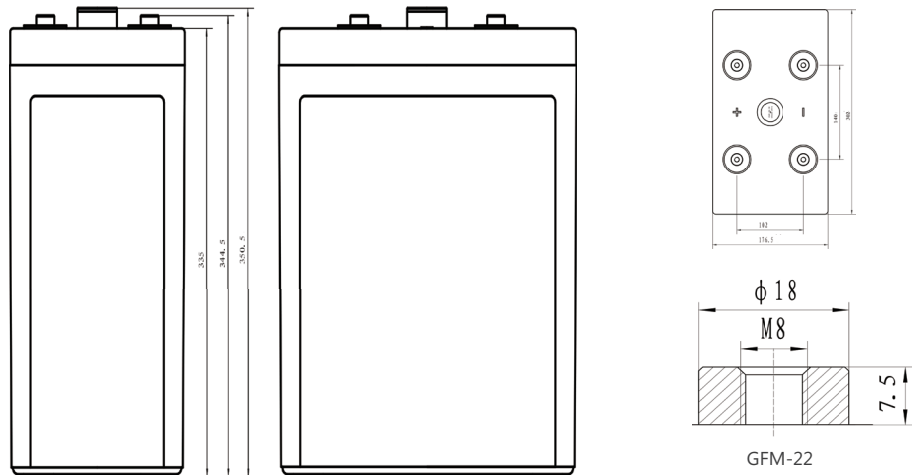
Applications

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

Standards

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

Drawing



Specifications

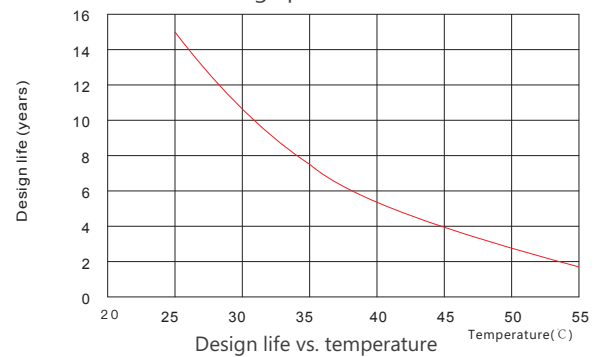
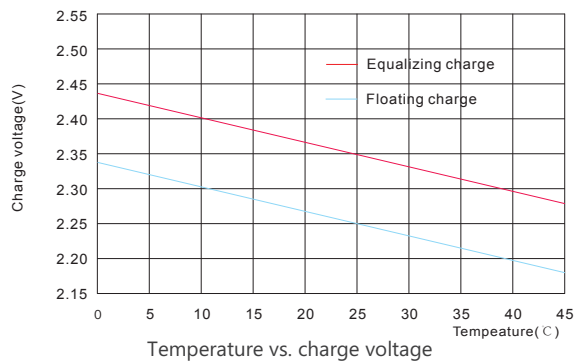
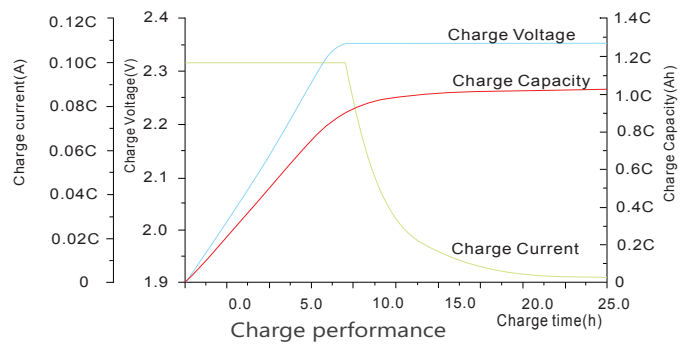
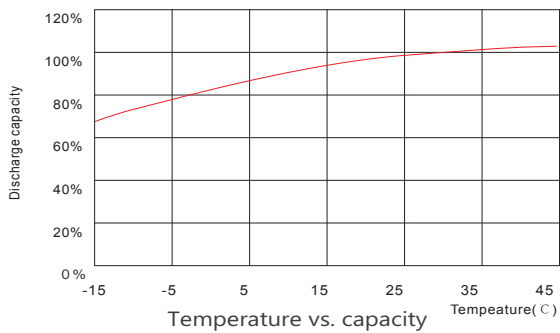
Battery Model	GFM-600			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (60A, 1.80V)	5HR (103A, 1.80V)	3HR (151A, 1.80V)	1HR (331A, 1.75V)
	600	515	453	331
Dimensions (mm)	Length	Width	Height	Total Height
	302	176.5	335	350.5
Approx. Weight (kg)	40			
Reference Internal Resistance (mΩ)	0.268 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	3200			
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: 120A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	9657			

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	1360	1042	854	721	567	355	218	161	108	93.6	74.4	62.1	26.6
1.65	1213	945	782	665	530	345	214	158	106	92.6	73.7	61.6	26.4
1.70	1109	859	716	637	494	334	210	156	105	91.7	73.0	61.1	26.3
1.75	953	787	668	597	475	331	207	154	104	90.6	72.3	60.7	26.1
1.80	843	718	624	556	456	320	202	151	103	89.4	71.5	60.0	25.9

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	1652	1689	1410	1225	955	624	395	294	199	175	143	119	59.2
1.65	1488	1519	1280	1119	893	597	382	286	195	171	141	117	58.1
1.70	1315	1378	1179	1033	836	577	372	280	193	169	140	116	57.1
1.75	1158	1268	1089	962	782	550	362	274	189	167	138	115	56.3
1.80	1073	1159	1000	885	735	532	352	269	186	164	136	114	55.7

Performance Curve



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