

GFM Series

GFM-200 2V200Ah

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

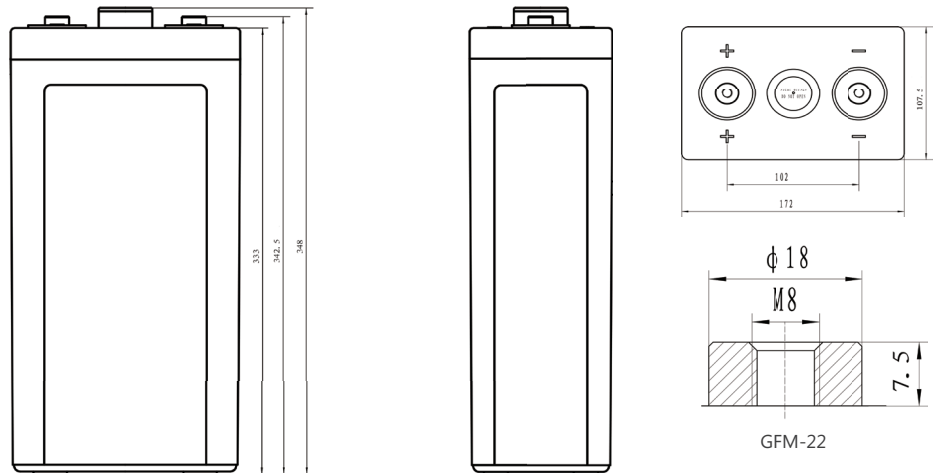
Applications

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

Standards

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

Drawing



Specifications

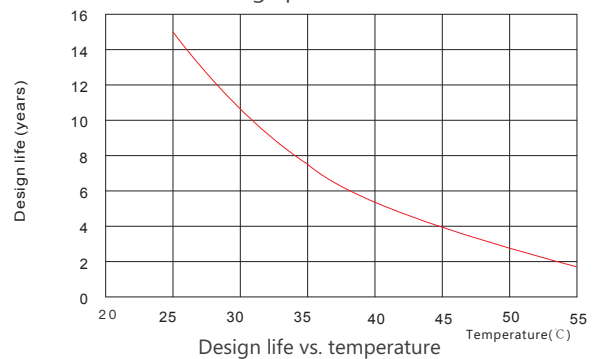
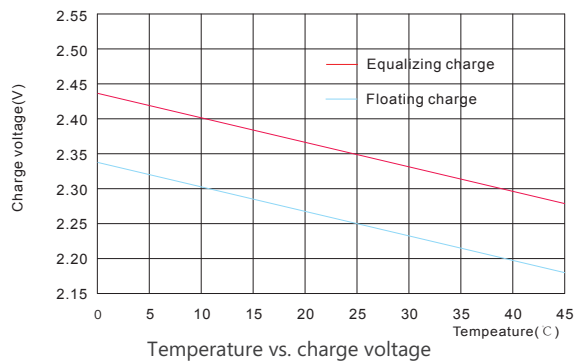
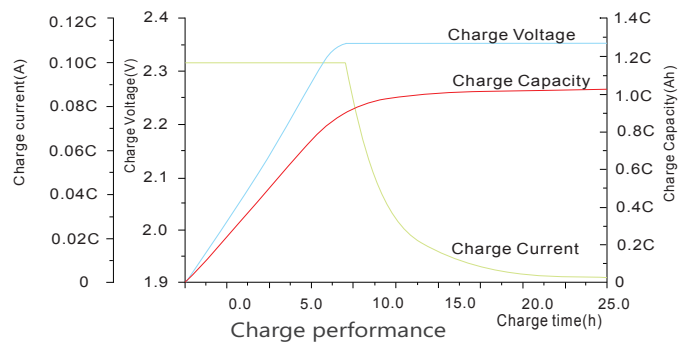
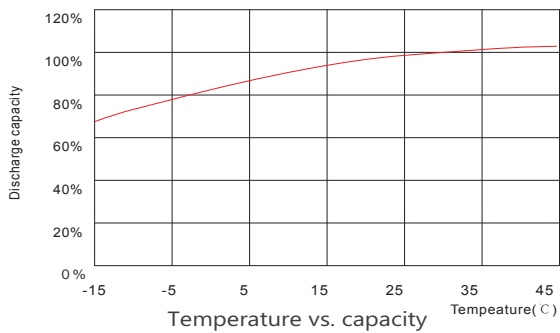
Battery Model	GFM-200			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (20A, 1.80V) 200	5HR (34.2A, 1.80V) 171	3HR (50.5A, 1.80V) 151.5	1HR (110A, 1.75V) 110
Dimensions (mm)	Length	Width	Height	Total Height
	172	107	333	348
Approx. Weight (kg)	13.9			
Reference Internal Resistance (mΩ)	0.468 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	1100			
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: 40A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	3900			

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	453	347	285	240	189	118	72.6	53.5	35.8	31.2	24.8	20.7	8.86
1.65	404	315	261	222	177	115	71.4	52.8	35.4	30.9	24.6	20.5	8.81
1.70	370	286	239	212	165	111	70.1	52.0	35.0	30.6	24.3	20.4	8.75
1.75	318	262	223	199	158	110	68.8	51.2	34.6	30.2	24.1	20.2	8.70
1.80	281	239	208	185	152	107	67.2	50.5	34.2	29.8	23.8	20.0	8.63

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	661	563	470	408	318	208	132	97.9	66.3	58.3	47.7	39.8	19.7
1.65	595	506	427	373	298	199	127	95.3	65.1	57.1	47.1	39.1	19.4
1.70	526	459	393	344	279	192	124	93.3	64.3	56.4	46.6	38.8	19.0
1.75	463	423	363	321	261	183	121	91.4	63.1	55.7	45.9	38.3	18.8
1.80	429	386	333	295	245	177	117	89.5	62.0	54.8	45.3	37.9	18.6

Performance Curve



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