

GFM Series

GFM-400 2V400Ah

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

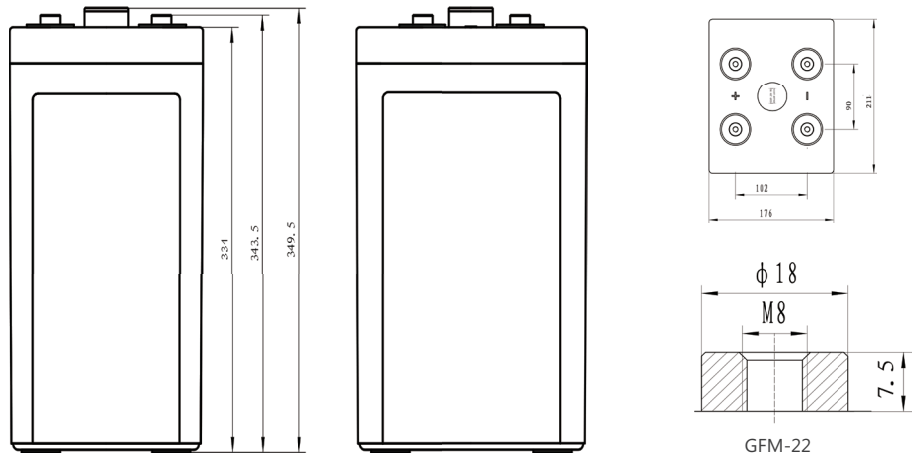
Applications

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

Standards

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

Drawing



Specifications

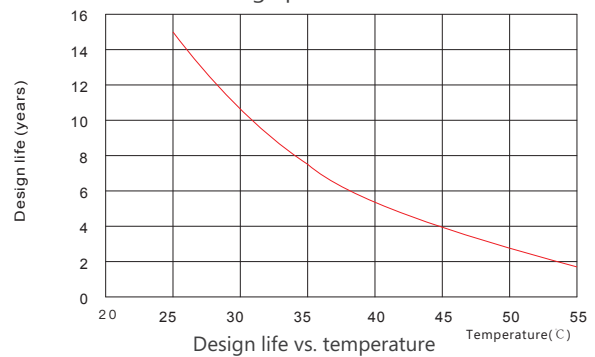
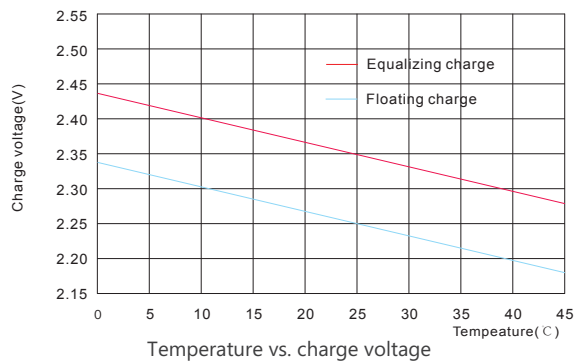
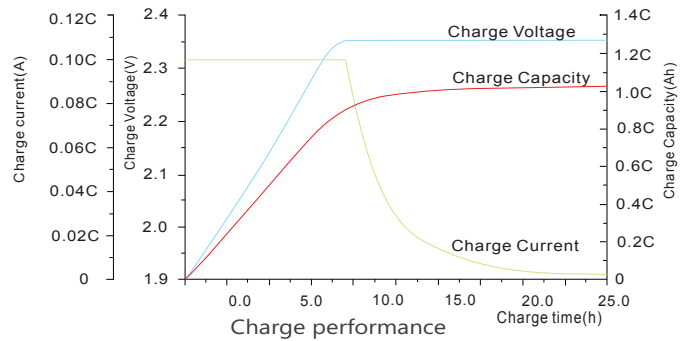
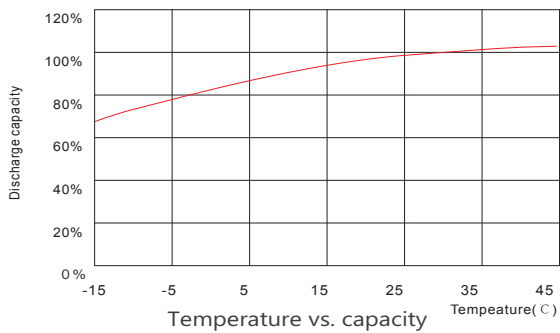
Battery Model	GFM-400			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (40A, 1.80V)	5HR (68.3A, 1.80V)	3HR (101A, 1.80V)	1HR (221A, 1.75V)
	400	341.5	303	221
Dimensions (mm)	Length	Width	Height	Total Height
	211	176	334	349.5
Approx. Weight (kg)	27.6			
Reference Internal Resistance (mΩ)	0.347 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2200			
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: 80A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	6404			

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	907	694	569	481	378	237	145	107	71.7	62.4	49.6	41.4	17.7
1.65	809	630	521	444	353	230	143	106	70.8	61.7	49.1	41.1	17.6
1.70	739	573	477	425	330	222	140	104	70.1	61.2	48.7	40.7	17.5
1.75	635	525	445	398	317	221	138	102	69.2	60.4	48.2	40.5	17.4
1.80	562	479	416	371	304	213	134	101	68.3	59.6	47.7	40.0	17.3

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	1322	1126	940	817	636	416	264	196	133	117	95.4	79.7	39.5
1.65	1191	1012	853	746	596	398	255	191	130	114	94.3	78.3	38.7
1.70	1052	919	786	689	557	385	248	187	129	113	93.1	77.5	38.1
1.75	926	845	726	641	521	367	242	183	126	111	91.9	76.5	37.5
1.80	858	773	667	590	490	355	235	179	124	110	90.7	75.7	37.1

Performance Curve



Sacred Sun Power Sources Co., Ltd.

No.1 Shengyang Road Qufu City, PRC
sales@sacredsun.cn

Sacred Sun Asia Pacific

No. 15, Yishun Industrial Street 1,
#01-17, WIN5, Singapore 768091
sales.asia@sacredsun.cn

Sacred Sun Europe SPRL

Schoenstraat 96-9140 Temse, Belgium
sales.eu@sacredsun.cn

Sacred Sun MEA FZE

S10122A1019 Jebel Ali, Dubai,
United Arab Emirates
sales.mea@sacredsun.cn