

# GFM-C Series

## GFM-2000C 2V2000Ah

GFM-C series VRLA battery uses latest AGM technology, high purity raw materials and many patented technologies that ensure its long floating and cycle life, it is applicable to less frequency of power failure, and shallow discharge of depth site. It is mainly used for indoor telecommunication base station.



### Benefits

- Long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Vertical installization

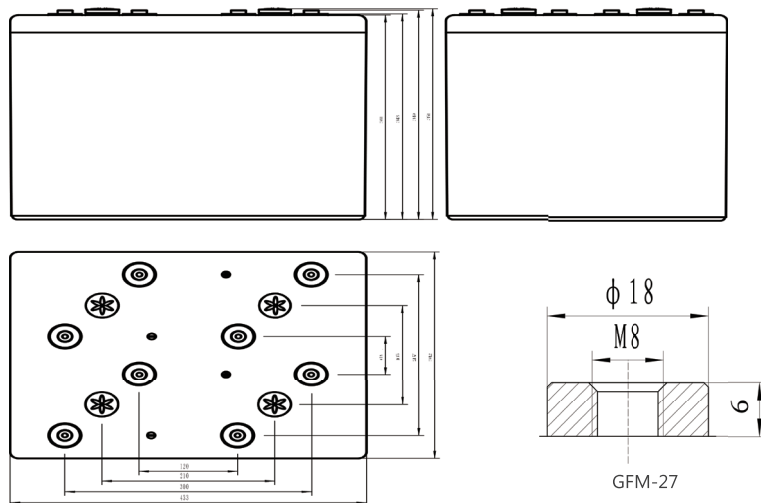
### Applications

- Telecommunications
- Power system
- UPS
- Emergency power

### Standards

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

### Drawing



### Specifications

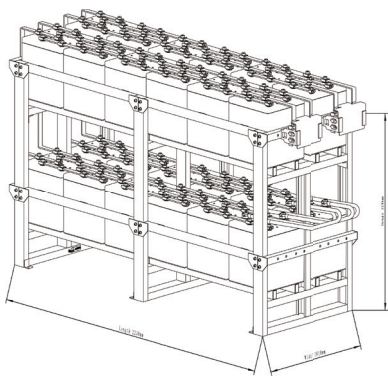
Battery Model	GFM-2000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (200A, 1.80V)	5HR (340A, 1.80V)	3HR (500A, 1.80V)	1HR (1100A, 1.75V)
	2000	1700	1500	1100
Dimensions (mm)	Length	Width	Height	Total Height
	433	342	341	351
Approx. Weight (kg)	120			
Reference Internal Resistance (mΩ)	≤ 0.2 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	9000			
Self-Discharge (25°C)	≤ 1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 500A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	13400			

## Discharge Data

Constant Current Discharge Data (25°C, A)															
End Voltage (V/cell)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	4200	3245	2685	2311	1834	1537	1331	1160	890	722	533	357	247	206	88.2
1.65	3818	2971	2481	2153	1731	1464	1277	1140	869	710	525	352	244	204	87.6
1.70	3486	2727	2295	2006	1631	1392	1223	1107	846	697	518	349	242	203	87.1
1.75	3050	2512	2161	1912	1576	1355	1195	1100	833	685	509	344	240	201	86.5
1.80	2677	2325	2040	1824	1517	1310	1158	1048	810	669	500	340	237	200	85.9

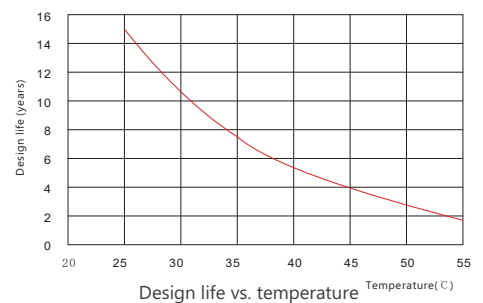
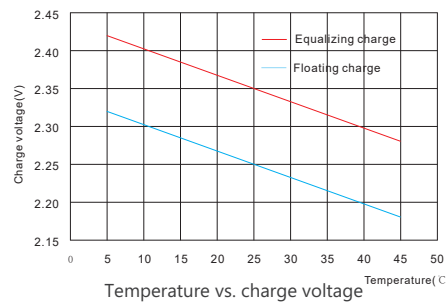
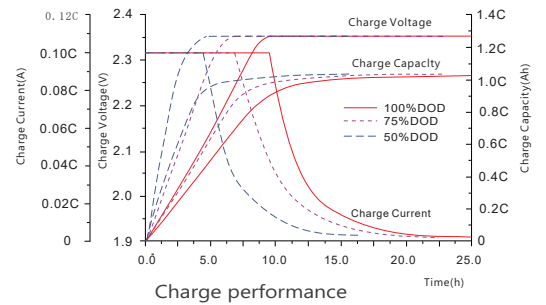
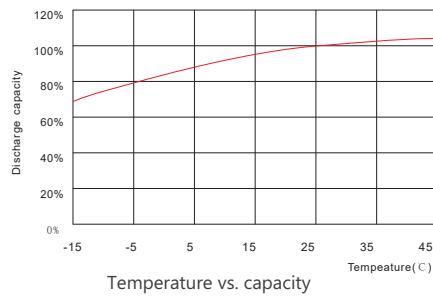
Constant Power Discharge Data (25°C, W/cell)															
End Voltage (V/cell)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	6120	5261	4435	3926	3090	2590	2291	2040	1588	1312	974	660	475	396	177
1.65	5622	4776	4064	3621	2870	2440	2178	1970	1527	1267	948	648	469	389	175
1.70	4962	4376	3780	3386	2679	2313	2061	1913	1488	1233	928	639	463	386	172
1.75	4446	4046	3523	3148	2511	2173	1968	1823	1446	1202	909	628	457	381	170
1.80	4086	3713	3228	2900	2355	2053	1897	1741	1402	1169	891	617	451	377	167

## Rack Layout



48V Standard Rack (Anti-seismic rack is optional)  
Rack material: powder-coated steel  
Height\*width: 2\*2  
Ref. GFM-2000C Rack (approx. weight: 3168kg)

## 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