

GFMD-C Series

GFMD-1000C 2V 1000Ah

GFMD-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.

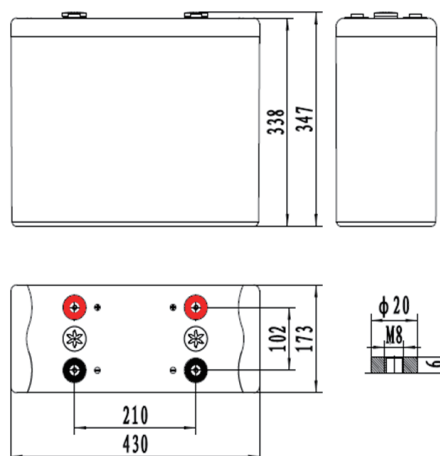
Benefits

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

Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Drawing



Standards

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

Specifications

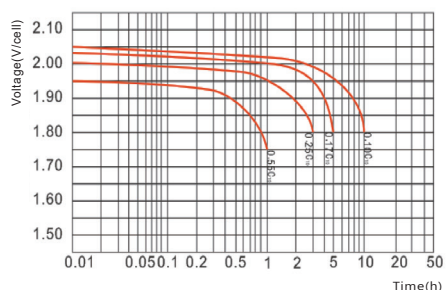
Battery Model	GFMD-1000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (100A, 1.80V)	5HR (170A, 1.80V)	3HR (250A, 1.80V)	1HR (550A, 1.75V)
	1000	850	750	550
Dimensions (mm)	Length	Width	Height	Total Height
	430	173	338	347
Approx. Weight (kg)	60.5			
Reference Internal Resistance (mΩ)	0.31 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤2.0% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 150A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	8600 (for reference only)			

Discharge Data

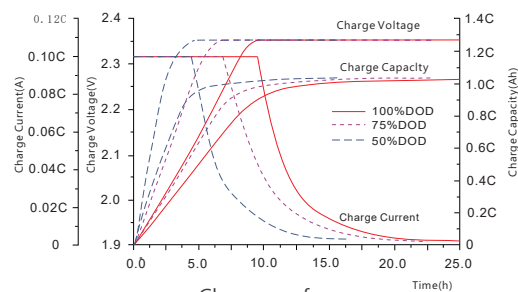
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	917	769	666	580	361	266	212	178	155	137	123	112	103	86.5
1.65	865	732	639	570	355	263	210	176	154	136	122	111	102	85.9
1.70	816	696	611	553	349	259	207	174	152	135	121	110	101	85.2
1.75	788	677	598	550	342	255	204	172	150	134	120	109	101	84.5
1.80	759	655	579	524	334	250	201	170	148	132	119	108	100	83.9

Constant Power Discharge Data (25°C, W/cell)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	1545	1295	1146	1020	656	487	389	330	290	262	237	217	198	168
1.65	1435	1220	1089	985	634	474	380	324	284	258	234	214	195	166
1.70	1339	1157	1030	957	616	464	373	320	280	255	232	211	193	164
1.75	1256	1087	984	912	601	455	366	314	277	252	229	208	190	163
1.80	1177	1027	948	871	585	445	360	308	273	248	226	205	188	161

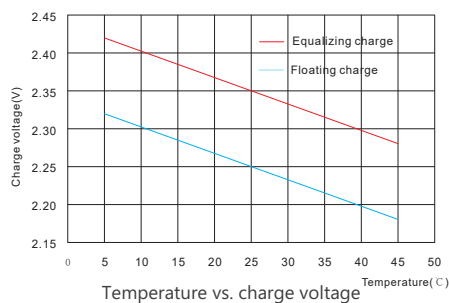
Performance Curve



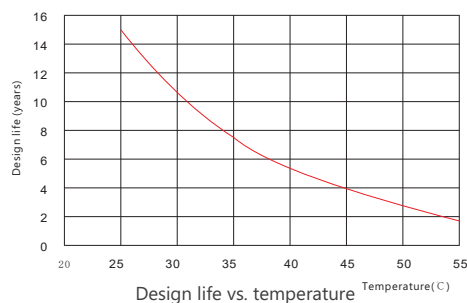
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

Sacred Sun Power Sources Co., Ltd.

Add: No.1 Shengyang Road, Qufu 273100 PRC

Tel: +86-537-4422313 Fax: +86-537-4411980

Email: sales@sacredsunsun.cn

Sacred Sun Hong Kong Co., Limited

Add: RM 19C Lockhart CTR 301-307 Lockhart RD Wan Chai, Hong Kong

Email: admin.hk@sacredsunsun.hk

Sacred Sun Asia Pacific Pte Ltd.

Add: 1 Ubi View, #04-12, Focus One, Singapore 408555

Email: admin.sg@sacredsunsun.sg

Sacred Sun Europe SARL

Add: ZAE Fontaine, 33210 Fargues, France

Email: admin.eu@sacredsunsun.eu

Sacred Sun MEA FZE

Add: No. 311 office, Building LOB 14, JAFZA, Dubai, UAE

Email: admin.ae@sacredsunsun.ae

