

GFMD-C Series

GFMD-800C 2V 800Ah

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.

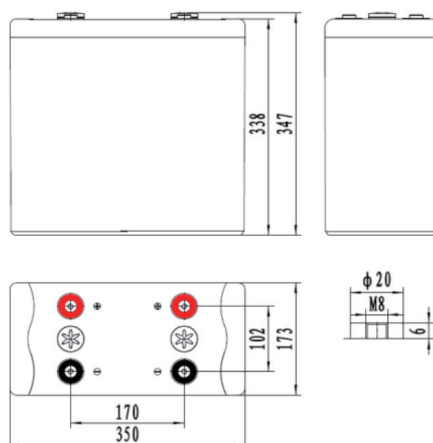
Benefits

- 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

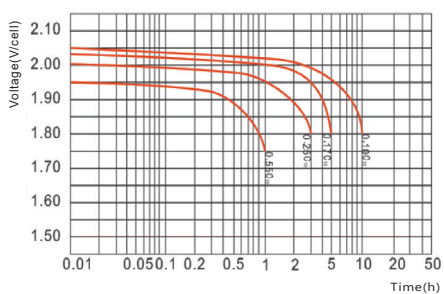
Battery Model	GFMD-800C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (80A, 1.80V)	5HR (136A, 1.80V)	3HR (200A, 1.80V)	1HR (440A, 1.75V)
	800	680	600	440
Dimensions (mm)	Length	Width	Height	Total Height
	350	173	338	347
Approx. Weight (kg)	49.2			
Reference Internal Resistance (mΩ)	0.34 ±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: 120A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	7200 (for reference only)			

Discharge Data

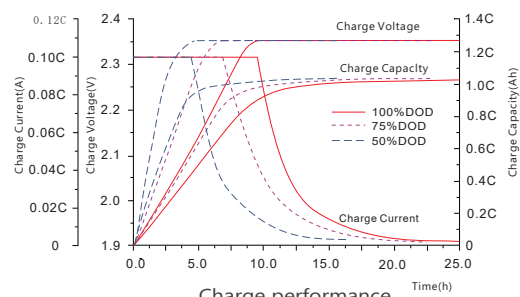
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	734	615	533	464	289	213	170	143	124	110	98.7	89.6	82.4	69.2
1.65	692	586	511	456	284	210	168	141	123	109	97.7	88.7	81.7	68.7
1.70	653	557	489	443	279	207	166	139	122	108	96.9	87.8	81.1	68.2
1.75	630	542	478	440	274	204	163	138	120	107	95.9	87.0	80.5	67.6
1.80	607	524	463	419	268	200	161	136	119	106	94.9	86.1	80.0	67.1

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	1236	1036	916	816	525	390	311	264	232	209	190	174	159	134
1.65	1148	976	871	788	507	379	304	259	227	207	188	171	156	133
1.70	1071	925	824	765	493	371	298	256	224	204	185	169	154	131
1.75	1005	869	787	729	481	364	293	251	222	202	183	166	152	130
1.80	942	821	759	697	468	356	288	247	218	198	180	164	151	129

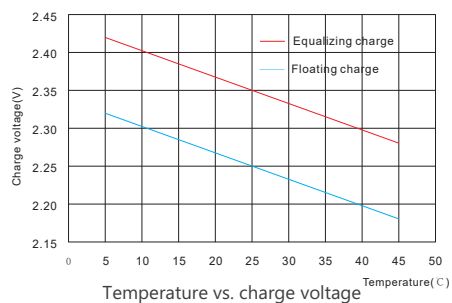
Performance Curve



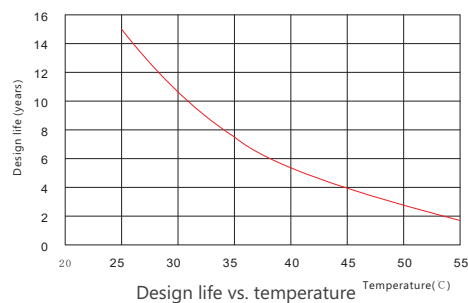
Discharge voltage vs. discharge time



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

