

GFM-C Series

GFM-200C 2V200Ah

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
- Horizontal installation

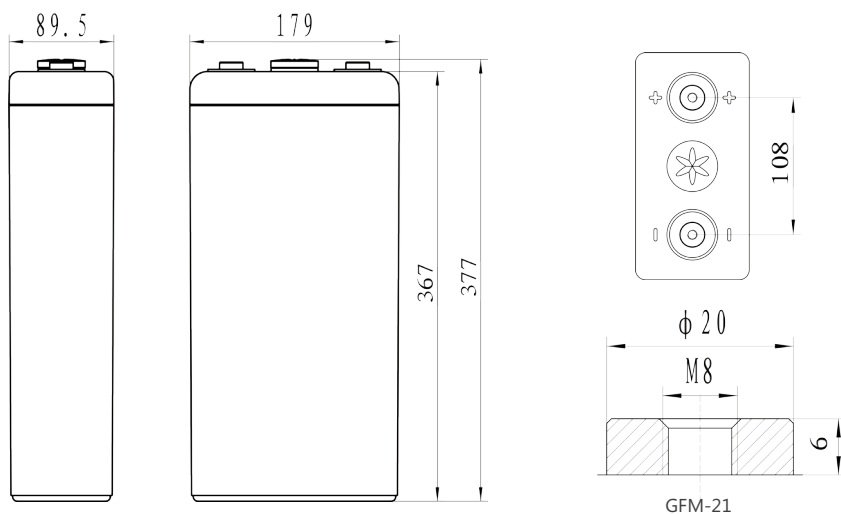
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

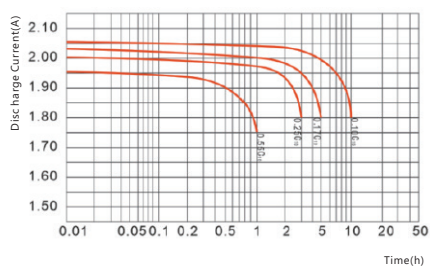
Battery Model	GFM-200C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (20A, 1.80V)	5HR (34A, 1.80V)	3HR (50A, 1.80V)	1HR (110A, 1.75V)
	200	170	150	110
Dimensions (mm)	Length	Width	Height	Total Height
	89.5	179	367	377
Approx. Weight (kg)	13.1			
Reference Internal Resistance (mΩ)	0.80 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 30A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	2500			

Discharge Data

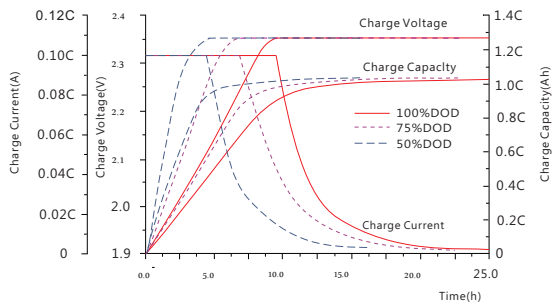
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	192	176	150	136	78.4	58.0	47.2	39.6	33.6	27.2	22.0
1.65	178	160	140	128	75.2	56.0	45.6	38.0	32.4	26.4	21.6
1.70	164	146	132	120	72.0	54.0	44.0	36.4	31.2	25.6	21.1
1.75	150	134	120	110	68.0	52.0	42.0	35.2	30.4	24.8	20.6
1.80	136	122	110	100	64.0	50.0	40.0	34.0	29.6	24.0	20.0

Constant Power Discharge Data (25°C, W/cell)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	339	312	267	243	142	106	87.0	73.3	62.5	51.0	41.5
1.65	321	290	254	233	139	104	85.4	71.5	61.2	50.2	41.3
1.70	301	269	245	223	135	102	83.8	69.6	59.9	49.4	40.9
1.75	281	252	226	208	130	100	81.1	68.2	59.1	48.3	40.3
1.80	258	232	210	192	124	97.1	77.9	66.4	57.9	47.1	39.3

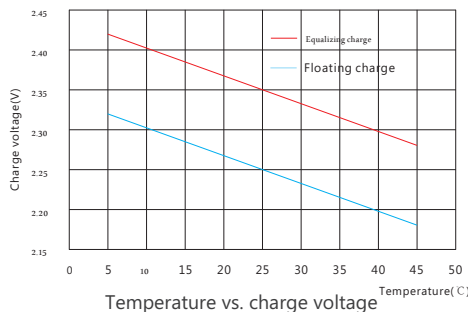
Performance Curve



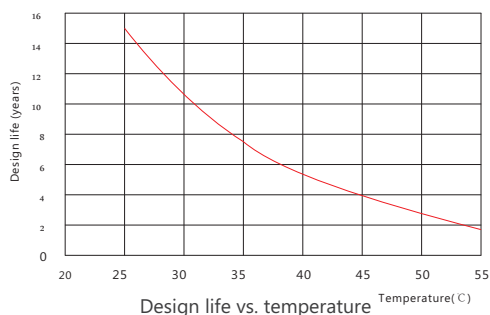
Discharge performance



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.com

Sacred Sun Hong Kong Co., Limited

Add: RM 19C Lockhart CTR 301-307 Lockhart RD Wan Chai, Hong Kong
 Email: admin.hk@sacredsunsun.com

Sacred Sun Asia Pacific Pte Ltd.

Add: 1 Ubi View, #04-12, Focus One, Singapore 408555
 Email: admin.sg@sacredsunsun.com

Sacred Sun Europe SARL

Add: ZAE Fontaine, 33210 Fargues, France
 Email: admin.eu@sacredsunsun.com

Sacred Sun MEA FZE

Add: No. 311 office, Building LOB 14, JAFZA, Dubai, UAE
 Email: admin.ae@sacredsunsun.com

