

GFMD-C Series

GFMD-200C 2V 200Ah

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

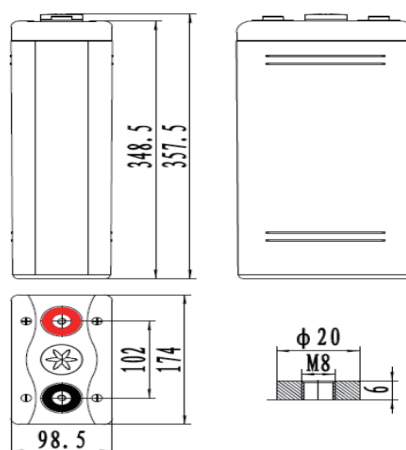
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

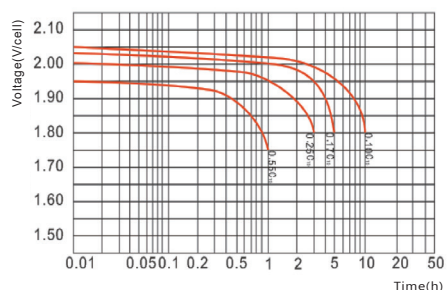
Battery Model	GFMD-200C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (20A, 1.80V)	5HR (34A, 1.80V)	3HR (50A, 1.80V)	1HR (110A, 1.75V)
	200	170	150	110
Dimensions (mm)	Length	Width	Height	Total Height
	98.5	174	348.5	357.5
Approx. Weight (kg)	13.6			
Reference Internal Resistance (mΩ)	0.56 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2.0 % 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)	3100 (for reference only)			

Discharge Data

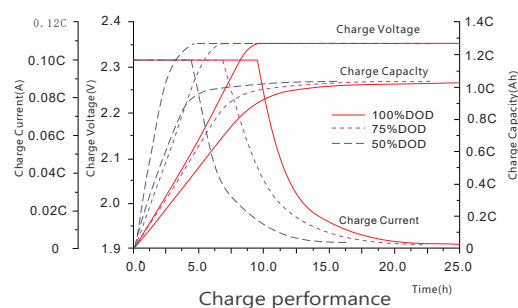
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	183	154	133	116	72.2	53.3	42.5	35.7	31.0	27.5	24.7	22.4	20.6	17.3
1.65	173	146	128	114	71.0	52.5	41.9	35.2	30.7	27.2	24.4	22.2	20.4	17.2
1.70	163	139	122	111	69.7	51.8	41.4	34.9	30.4	27.0	24.2	21.9	20.3	17.0
1.75	158	135	120	110	68.5	50.9	40.9	34.4	30.0	26.8	24.0	21.7	20.1	16.9
1.80	152	131	116	105	66.9	50.0	40.2	34.0	29.7	26.4	23.7	21.5	20.0	16.8

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	309	259	229	204	131	97.4	77.8	66.0	58.0	52.3	47.5	43.4	39.6	33.6
1.65	287	244	218	197	127	94.8	76.0	64.8	56.8	51.6	46.9	42.8	38.9	33.2
1.70	268	231	206	191	123	92.8	74.6	63.9	56.1	51.0	46.3	42.2	38.6	32.8
1.75	251	217	197	182	120	90.9	73.3	62.8	55.4	50.4	45.7	41.6	38.1	32.5
1.80	235	205	190	174	117	89.1	71.9	61.7	54.5	49.5	45.1	41.0	37.7	32.2

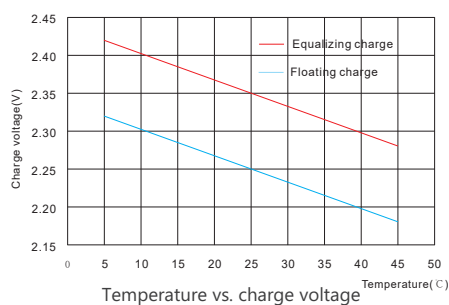
Performance Curve



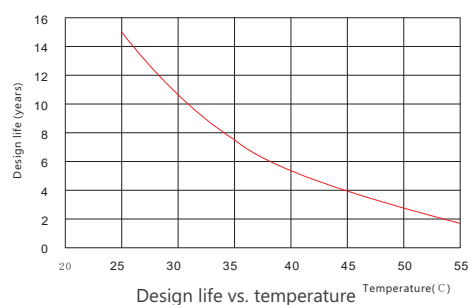
Discharge voltage vs. discharge time



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

