

GFM-C Series

GFM-800C 2V800Ah

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

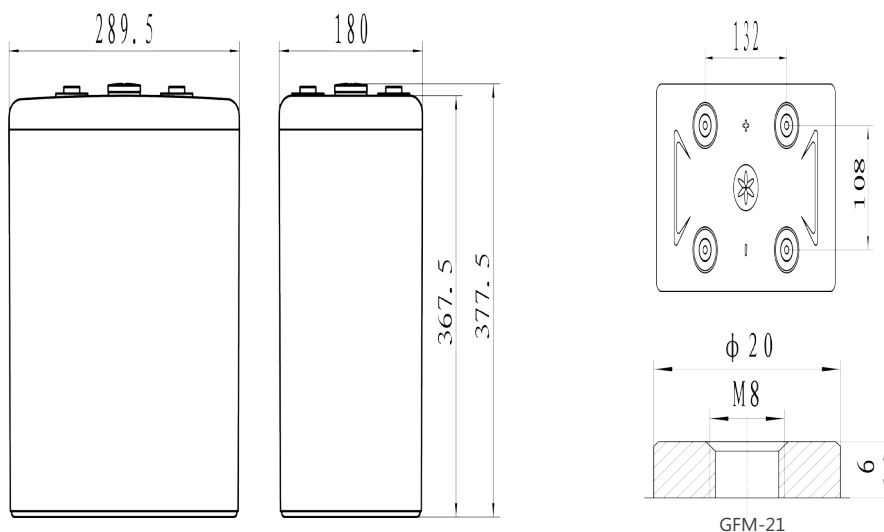
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

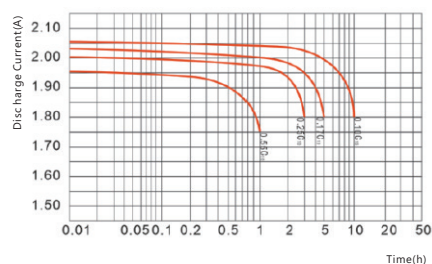
Battery Model	GFM-800C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (80A, 1.80V)	5HR (136A, 1.80V)	3HR (200A, 1.80V)	1HR (440A, 1.75V)
	800	680	600	440
Dimensions (mm)	Length	Width	Height	Total Height
	289.5	180	367.5	377.5
Approx. Weight (kg)	44.7			
Reference Internal Resistance (mΩ)	0.32 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2% 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)	7000(For reference only)			

Discharge Data

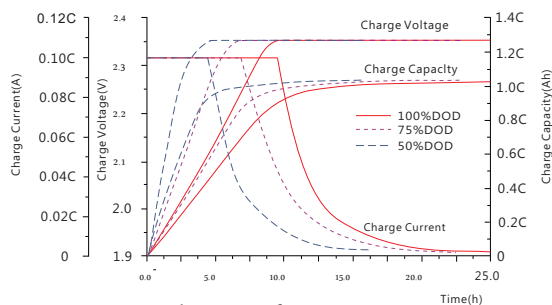
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	768	704	600	544	314	232	189	158	134	109	88.0
1.65	712	640	560	512	301	224	182	152	130	106	86.4
1.70	656	584	528	480	288	216	176	146	125	102	84.5
1.75	600	536	480	440	272	208	168	141	122	99.2	82.4
1.80	544	488	440	400	256	200	160	136	118	96.0	80.0

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	1356	1250	1069	973	569	425	348	293	250	204	166
1.65	1283	1158	1018	933	556	417	341	286	245	201	165
1.70	1205	1078	978	892	542	409	335	278	240	198	164
1.75	1123	1008	905	832	520	400	325	273	236	193	161
1.80	1032	930	841	766	495	388	312	265	232	188	157

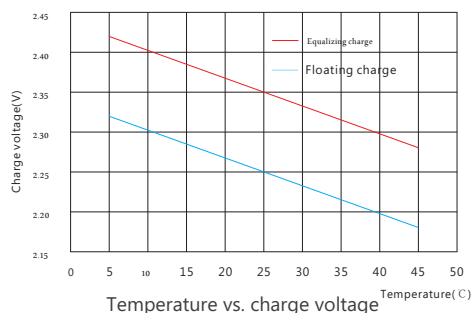
Performance Curve



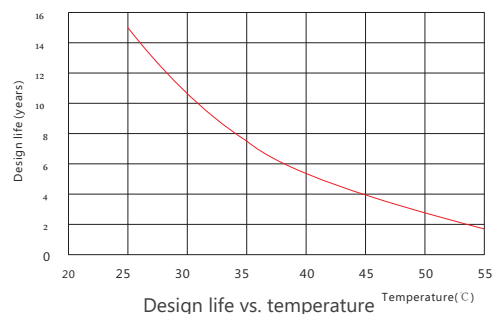
Discharge performance



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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