

GFM-C Series

GFM-600C 2V600Ah

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

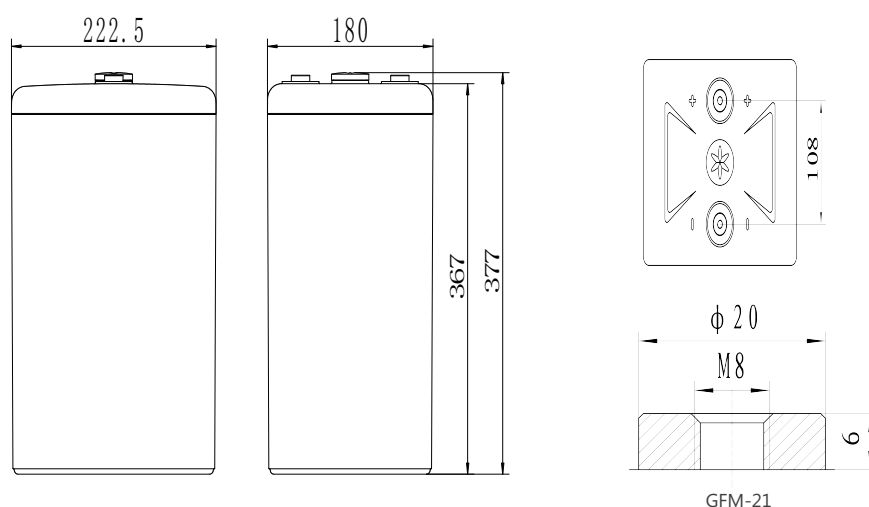
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

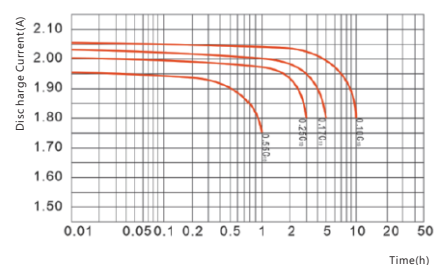
Battery Model	GFM-600C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (60A, 1.80V)	5HR (102A, 1.80V)	3HR (150A, 1.80V)	1HR (330A, 1.75V)
	600	510	450	330
Dimensions (mm)	Length	Width	Height	Total Height
	222.5	180	367	377
Approx. Weight (kg)	33.5			
Reference Internal Resistance (mΩ)	0.34 ±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: 90A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	5300(For reference only)			

Discharge Data

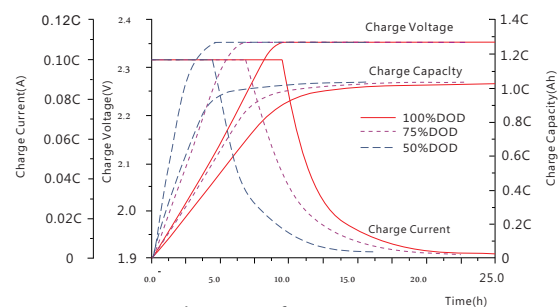
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	576	528	450	408	235	174	142	119	101	81.6	66.0
1.65	534	480	420	384	226	68	137	114	97.2	79.2	64.8
1.70	492	438	396	360	216	162	132	109	93.6	76.8	63.4
1.75	450	402	360	330	204	156	126	106	91.2	74.4	61.8
1.80	408	366	330	300	192	150	120	102	88.8	72.0	60.0

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	1017	937	802	730	427	318	261	220	187	153	124
1.65	962	869	763	700	417	313	256	214	184	151	124
1.70	904	808	734	669	406	307	251	209	180	148	123
1.75	842	756	679	624	390	300	243	205	177	145	121
1.80	774	697	630	575	371	291	234	199	174	141	118

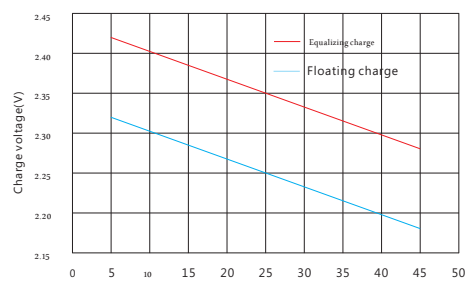
Performance Curve



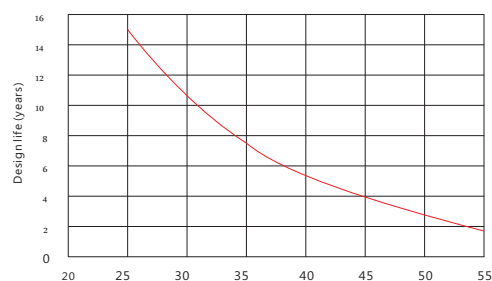
Discharge performance



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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