

GFM-C Series

GFM-300C 2V300Ah

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

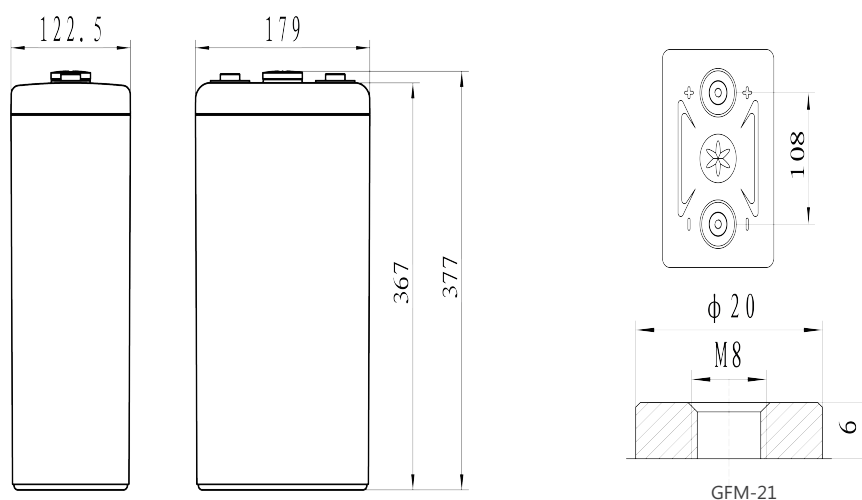
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

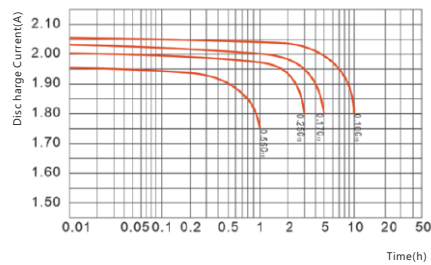
Battery Model	GFM-300C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (30A, 1.80V)	5HR (51A, 1.80V)	3HR (75A, 1.80V)	1HR (165A, 1.75V)
	300	255	225	165
Dimensions (mm)	Length	Width	Height	Total Height
	122.5	179	367	377
Approx. Weight (kg)	18.2			
Reference Internal Resistance (mΩ)	0.55 ±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: 45A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	3400(For reference only)			

Discharge Data

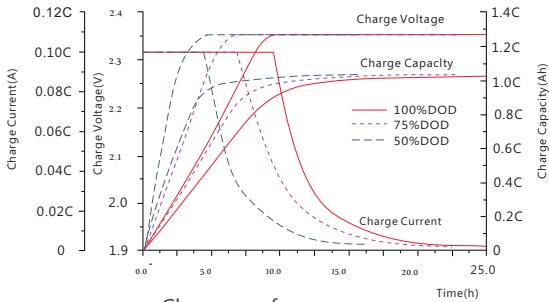
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	288	264	225	204	118	87.0	70.8	59.4	50.4	40.8	33.0
1.65	267	240	210	192	113	84.0	68.4	57.0	48.6	39.6	32.4
1.70	246	219	198	180	108	81.0	66.0	54.6	46.8	38.4	31.7
1.75	225	201	180	165	102	78.0	63.0	52.8	45.6	37.2	30.9
1.80	204	183	165	150	96.0	75.0	60.0	51.0	44.4	36.0	30.0

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	508	469	401	365	213	159	130	110	93.7	76.5	62.2
1.65	481	434	382	350	208	156	128	107	91.8	75.3	61.9
1.70	452	404	367	335	203	154	126	104	89.8	74.1	61.3
1.75	421	378	339	312	195	150	122	102	88.6	72.5	60.4
1.80	387	349	315	287	186	146	117	100	86.8	70.6	59.0

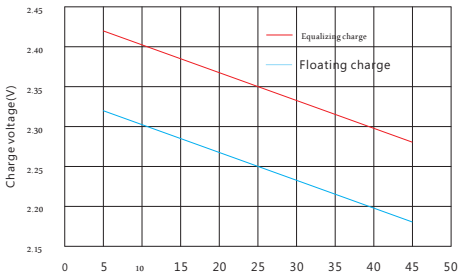
Performance Curve



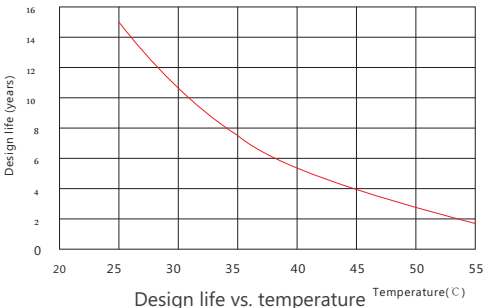
Discharge performance



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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