

GFM-C Series

GFM-400C 2V400Ah

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

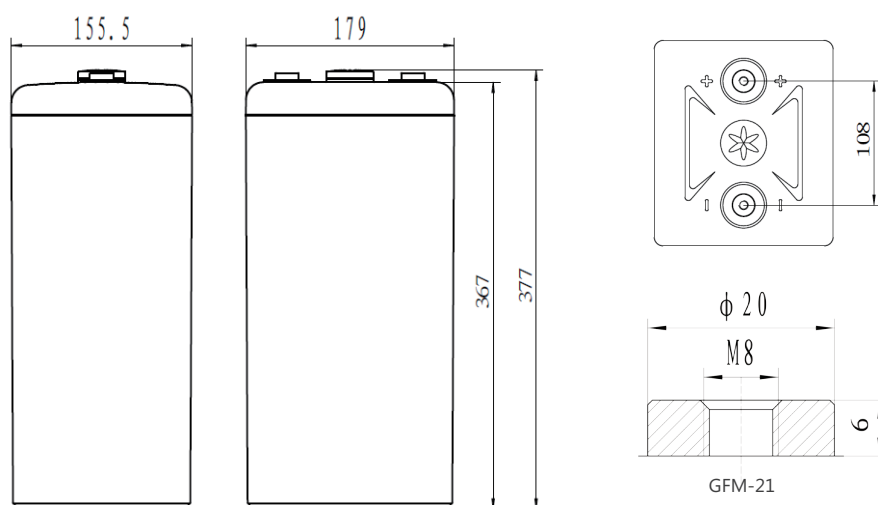
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

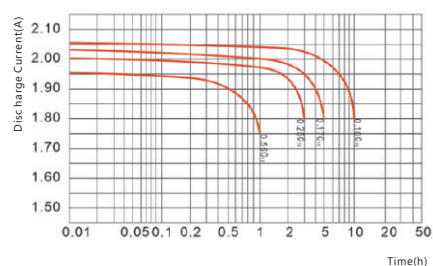
Battery Model	GFM-400C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (40A, 1.80V)	5HR (68A, 1.80V)	3HR (100A, 1.80V)	1HR (220A, 1.75V)
	400	340	300	220
Dimensions (mm)	Length	Width	Height	Total Height
	155.5	179	367	377
Approx. Weight (kg)	23.3			
Reference Internal Resistance (mΩ)	0.45 ±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: 60A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	4600(For reference only)			

Discharge Data

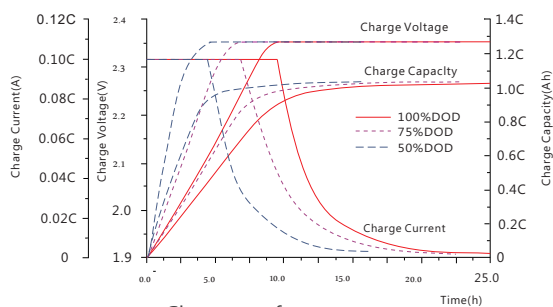
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min			h							
	30	40	50	1	2	3	4	5	6	8	10
1.60	384	352	300	272	157	116	94.4	79.2	67.2	54.4	44.0
1.65	356	320	280	256	150	112	91.2	76.0	64.8	52.8	43.2
1.70	328	292	264	240	144	108	88.0	72.8	62.4	51.2	42.2
1.75	300	268	240	220	136	104	84.0	70.4	60.8	49.6	41.2
1.80	272	244	220	200	128	100	80.0	68.0	59.2	48.0	40.0

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	678	625	535	487	284	212	174	147	125	102	83.0
1.65	641	579	509	467	278	208	171	143	122	100	82.5
1.70	602	539	489	446	271	205	168	139	120	99.8	81.8
1.75	561	504	453	416	260	200	162	136	118	96.7	80.5
1.80	516	465	420	383	247	194	156	133	116	94.2	78.7

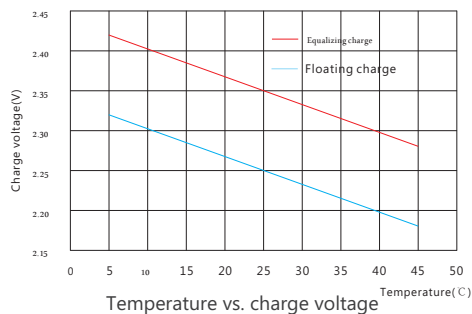
Performance Curve



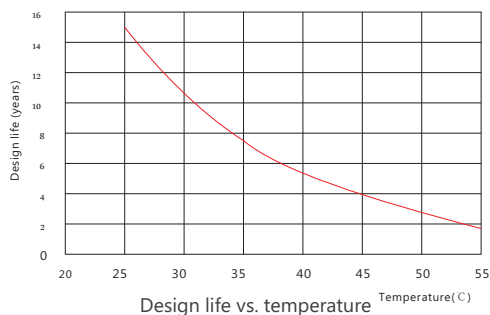
Discharge performance



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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