

GFM-C Series

GFM-1000C 2V1000Ah

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

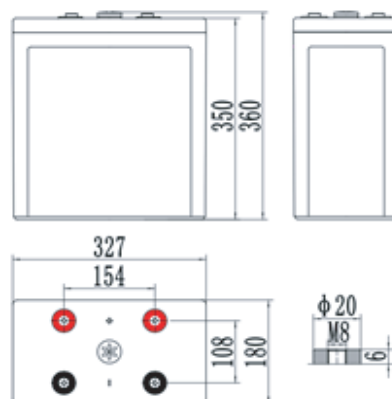
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

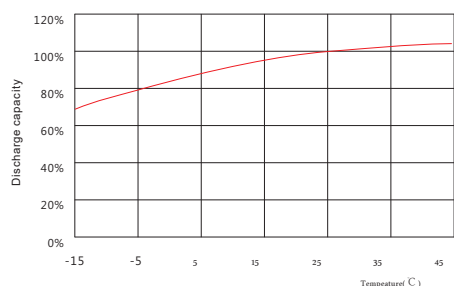
Battery Model	GFM-1000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (100A, 1.80V)	5HR (170A, 1.80V)	3HR (250A, 1.80V)	1HR (550A, 1.75V)
	1000	850	750	550
Dimensions (mm)	Length	Width	Height	Total Height
	327	180	350	360
Approx. Weight (kg)	52.6			
Reference Internal Resistance (mΩ)	0.25 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Maximum Discharge Current (A/5 Sec.)	3500			
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: 150A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	8000			

Discharge Data

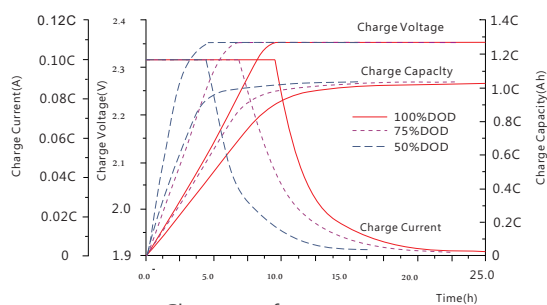
Constant Current Discharge Data (25°C, A)										
End Voltage (V/cell)	h									
	1	2	3	4	5	6	7	8	9	10
1.60	585	369	278	220	185	160	140	126	116	107
1.65	570	353	269	215	180	155	138	123	113	105
1.70	560	340	256	201	174	150	134	120	110	103
1.75	550	330	251	196	172	147	132	117	107	101
1.80	512	320	250	190	170	140	128	115	105	100

Constant Power Discharge Data (25°C, W/cell)										
End Voltage (V/cell)	h									
	1	2	3	4	5	6	7	8	9	10
1.60	1025	645	500	405	347	304	270	242	223	205
1.65	1020	631	485	392	335	292	260	235	215	200
1.70	1005	613	465	374	324	278	247	225	207	192
1.75	975	598	452	368	317	272	240	220	202	188
1.80	940	585	448	357	309	265	232	215	197	184

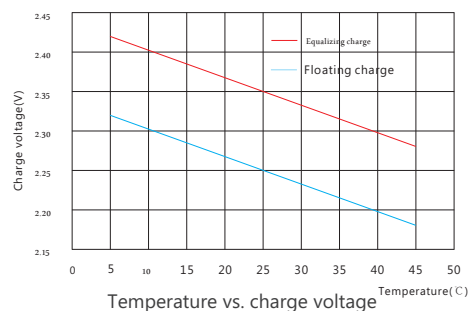
Performance Curve



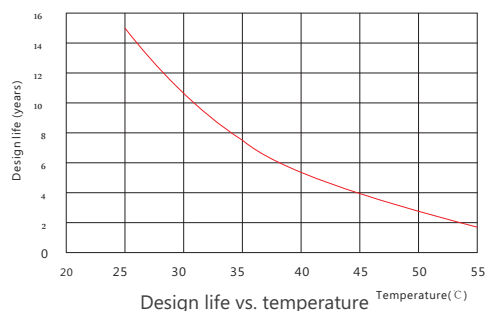
Temperature vs. capacity



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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