

GFMD-C Series

GFMD-500C 2V 500Ah

GFMD-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
- Vertical installation

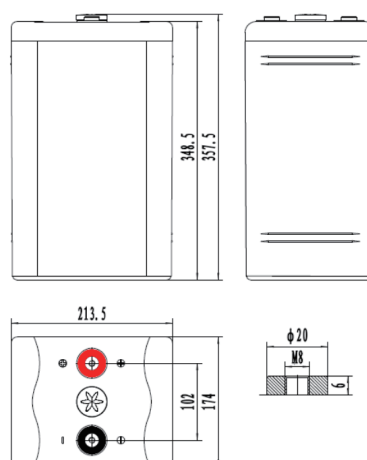
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

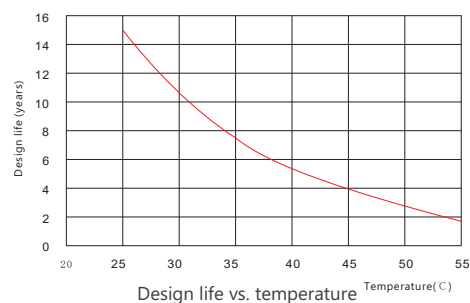
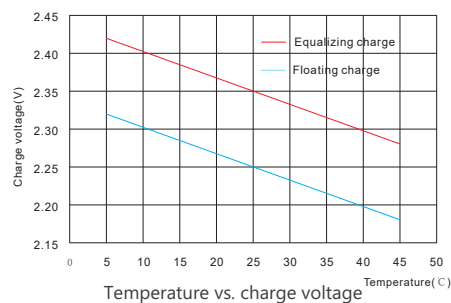
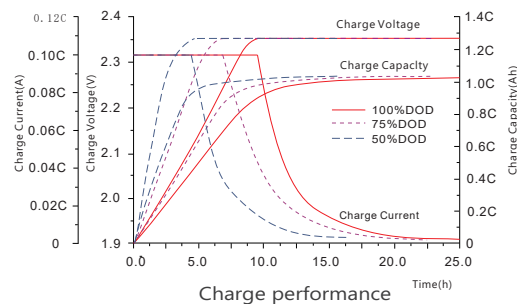
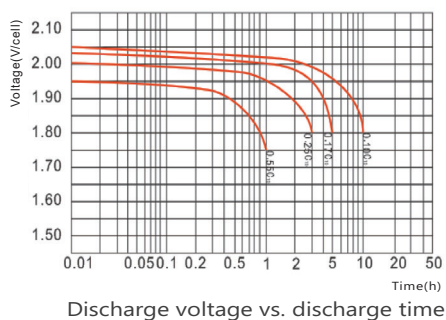
Battery Model	GFMD-500C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (50A, 1.80V)	5HR (85A, 1.80V)	3HR (125A, 1.80V)	1HR (275A, 1.75V)
	500	425	375	275
Dimensions (mm)	Length	Width	Height	Total Height
	213.5	174	348.5	357.5
Approx. Weight (kg)	30.1			
Reference Internal Resistance (mΩ)	0.32 ±15% (fully charged @ 25°C, Testing device: HIOKIBT3562)			
Self-Discharge (25°C)	≤2.0% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.35 (-3.5mV/°C/cell), max charge current: 75A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	5200 (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	7	8	9	10	12
1.60	459	384	333	290	181	133	106	89.2	77.6	68.6	61.7	56.0	51.5	43.2
1.65	433	366	319	285	178	131	105	88.1	76.8	68.1	61.1	55.4	51.1	43.0
1.70	408	348	306	277	174	129	103	87.1	76.1	67.5	60.5	54.8	50.7	42.6
1.75	394	339	299	275	171	127	102	86.0	75.1	66.9	59.9	54.3	50.3	42.3
1.80	379	327	290	262	167	125	101	85.0	74.1	66.0	59.3	53.8	50.0	41.9

Constant Power Discharge Data (25°C, W/cell)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	772	648	573	510	328	244	194	165	145	131	119	108	99.1	84.0
1.65	718	610	545	493	317	237	190	162	142	129	117	107	97.4	83.0
1.70	670	578	515	478	308	232	187	160	140	127	116	106	96.5	82.1
1.75	628	543	492	456	300	227	183	157	139	126	114	104	95.2	81.3
1.80	589	513	474	435	292	223	180	154	136	124	113	103	94.2	80.4

Performance Curve



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