

GFMD-C Series

GFMD-2000C 2V 2000Ah

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.

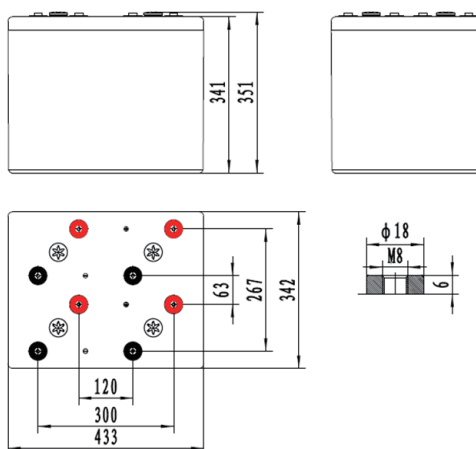
Benefits

- 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

Drawing



Standards

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

Specifications

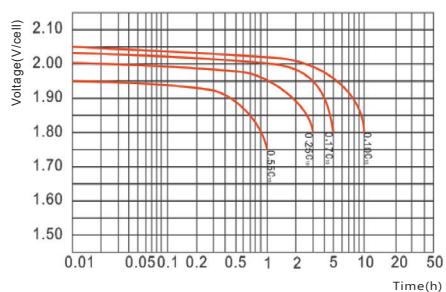
Battery Model	GFMD-2000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (200A, 1.80V)	5HR (340A, 1.80V)	3HR (500A, 1.80V)	1HR (1100A, 1.75V)
	2000	1700	1500	1100
Dimensions (mm)	Length	Width	Height	Total Height
	433	342	341	351
Approx. Weight (kg)	121			
Reference Internal Resistance (mΩ)	0.33 ±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: 300A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	13400 (for reference only)			

Discharge Data

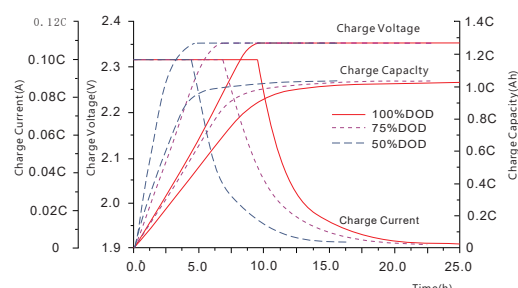
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	1834	1537	1331	1160	722	533	425	357	310	275	247	224	206	173
1.65	1731	1464	1277	1140	710	525	419	352	307	272	244	222	204	172
1.70	1631	1392	1223	1107	697	518	414	349	304	270	242	219	203	170
1.75	1576	1355	1195	1100	685	509	409	344	300	268	240	217	201	169
1.80	1517	1310	1158	1048	669	500	402	340	297	264	237	215	200	168

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	3090	2590	2291	2040	1312	974	778	660	580	523	475	434	396	336
1.65	2870	2440	2178	1970	1267	948	760	648	568	516	469	428	389	332
1.70	2679	2313	2061	1913	1233	928	746	639	561	510	463	422	386	328
1.75	2511	2173	1968	1823	1202	909	733	628	554	504	457	416	381	325
1.80	2355	2053	1897	1741	1169	891	719	617	545	495	451	410	377	322

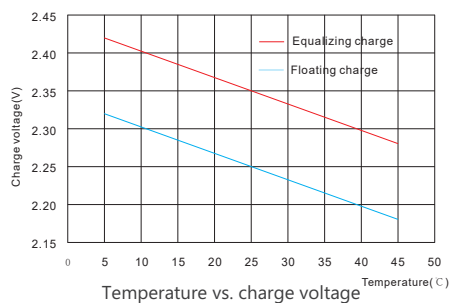
Performance Curve



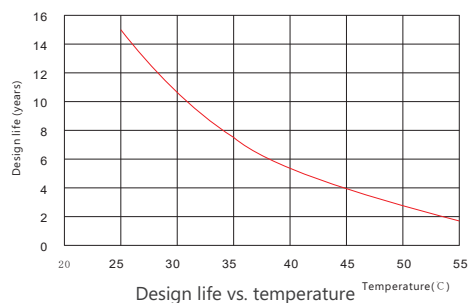
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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