

GFMD-C Series

GFMD-3000C 2V 3000Ah

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

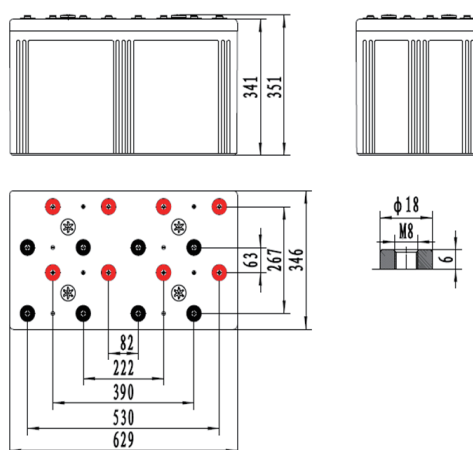
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

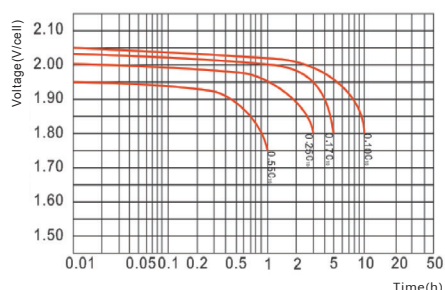
Battery Model	GFMD-3000C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (300A, 1.80V)	5HR (510A, 1.80V)	3HR (750A, 1.80V)	1HR (1650A, 1.75V)
	3000	2550	2250	1650
Dimensions (mm)	Length	Width	Height	Total Height
	629	346	341	351
Approx. Weight (kg)	177			
Reference Internal Resistance (mΩ)	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: 450A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	20000 (for reference only)			

Discharge Data

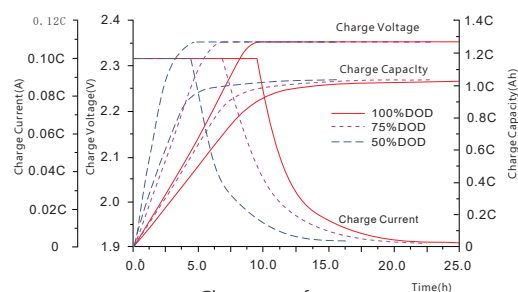
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	2752	2306	1997	1740	1084	799	637	535	466	412	370	336	309	259
1.65	2596	2196	1916	1710	1065	788	629	528	461	409	366	333	307	258
1.70	2447	2088	1834	1660	1046	777	621	523	456	405	363	329	304	256
1.75	2364	2032	1793	1650	1027	764	613	516	451	401	360	326	302	254
1.80	2276	1965	1737	1571	1003	750	604	510	445	396	356	323	300	252

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	4634	3886	3437	3060	1968	1462	1167	990	870	785	712	651	595	504
1.65	4305	3659	3267	2955	1901	1422	1140	972	853	775	703	641	584	498
1.70	4018	3470	3091	2870	1849	1393	1119	959	841	764	695	634	579	493
1.75	3767	3260	2952	2735	1803	1364	1099	941	831	756	686	624	571	488
1.80	3532	3080	2845	2612	1754	1336	1079	925	818	743	677	616	565	483

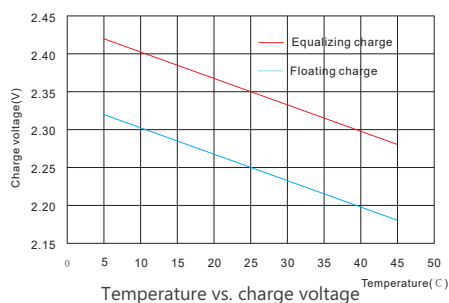
Performance Curve



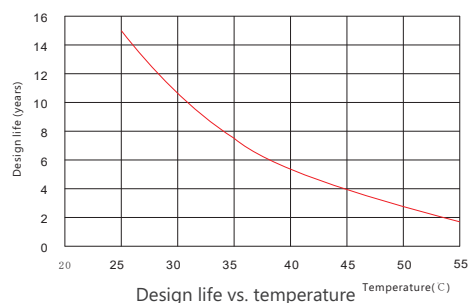
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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