

GFMD-C Series

GFMD-1500C 2V 1500Ah

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.

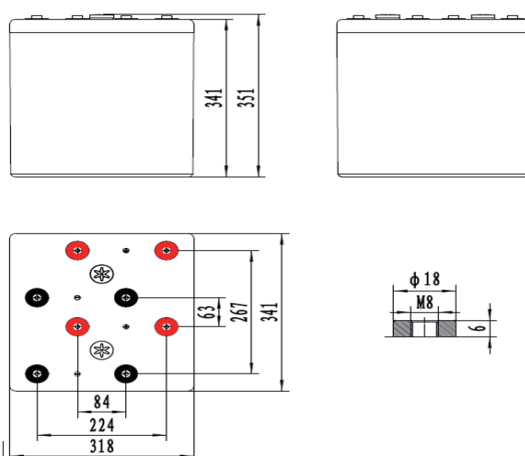
Benefits

- 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

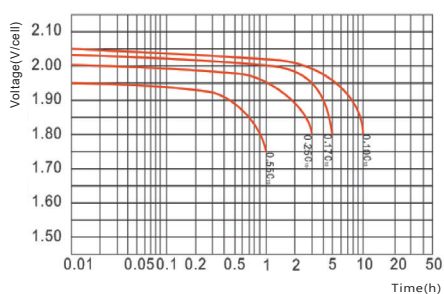
Battery Model	GFMD-1500C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (150A, 1.80V)	5HR (255A, 1.80V)	3HR (375A, 1.80V)	1HR (825A, 1.75V)
	1500	1275	1125	825
Dimensions (mm)	Length	Width	Height	Total Height
	318	341	341	351
Approx. Weight (kg)	88.3			
Reference Internal Resistance (mΩ)	0.31±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: 225A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	11500 (for reference only)			

Discharge Data

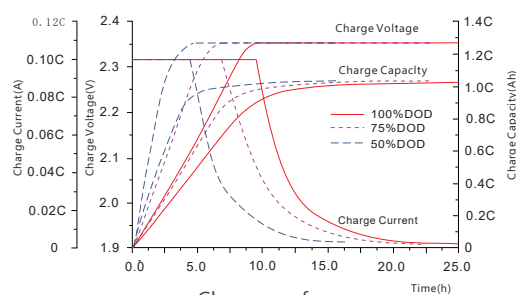
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	1376	1153	999	870	542	400	318	268	233	206	185	168	155	130
1.65	1298	1098	958	855	533	394	314	264	230	204	183	166	153	129
1.70	1223	1044	917	830	523	388	310	261	228	203	182	165	152	128
1.75	1182	1016	896	825	514	382	306	258	225	201	180	163	151	127
1.80	1138	982	869	786	502	375	302	255	222	198	178	161	150	126

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	2317	1943	1718	1530	984	731	583	495	435	392	356	325	297	252
1.65	2153	1830	1634	1478	950	711	570	486	426	387	352	321	292	249
1.70	2009	1735	1546	1435	925	696	560	480	421	382	347	317	289	246
1.75	1884	1630	1476	1368	901	682	549	471	416	378	343	312	286	244
1.80	1766	1540	1423	1306	877	668	439	463	409	371	338	308	283	241

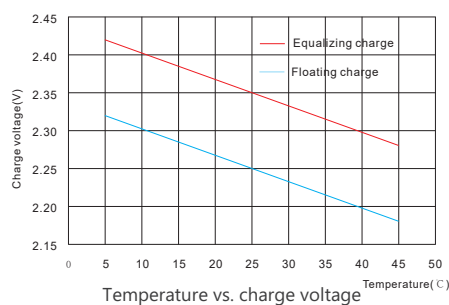
Performance Curve



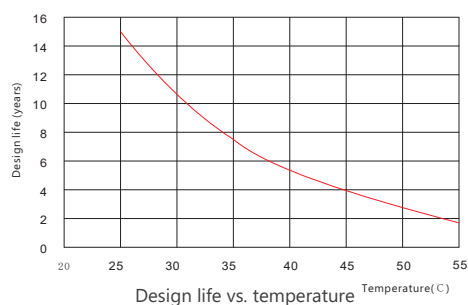
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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