

GFMD-C Series

GFMD-1200C 2V 1200Ah

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.

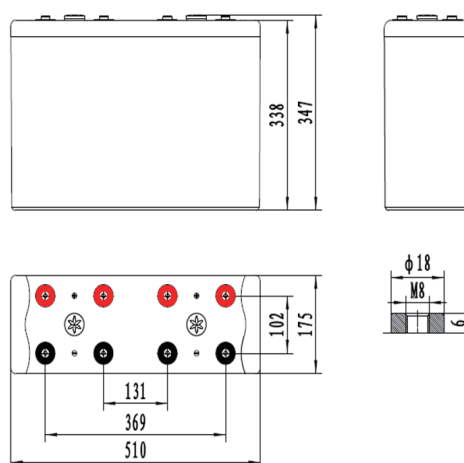
Benefits

- 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

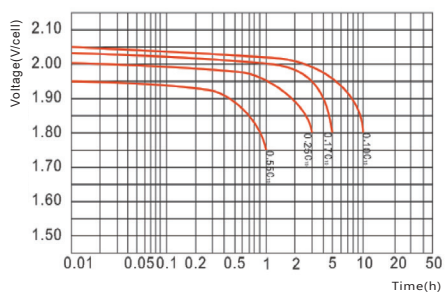
Battery Model	GFMD-1200C			
Design Life (years, 25°C)	15			
Capacity (Ah, 25°C)	10HR (120A, 1.80V)	5HR (204A, 1.80V)	3HR (300A, 1.80V)	1HR (660A, 1.75V)
	1200	1020	900	660
Dimensions (mm)	Length	Width	Height	Total Height
	510	175	338	347
Approx. Weight (kg)	72.7			
Reference Internal Resistance (mΩ)	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: 180A		2.25 (-3.5mV/°C/cell)	
Short Circuit Current (A)	9000 (for reference only)			

Discharge Data

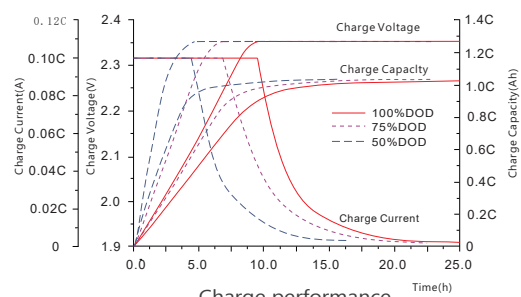
Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min			h										
	30	40	50	1	2	3	4	5	6	7	8	9	10	12
1.60	1101	922	799	696	433	320	255	214	186	165	148	134	124	104
1.65	1038	878	766	684	426	315	252	211	184	163	147	133	123	103
1.70	979	835	734	664	418	311	248	209	183	162	145	132	122	102
1.75	946	813	717	660	411	306	245	206	180	161	144	130	121	101
1.80	910	786	695	629	401	300	241	204	178	159	142	129	120	101

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	1854	1554	1375	1224	787	585	467	396	348	314	285	260	238	202
1.65	1722	1464	1307	1182	760	569	456	389	341	310	281	257	234	199
1.70	1607	1388	1237	1148	740	557	448	384	336	306	278	253	231	197
1.75	1507	1304	1181	1094	721	546	440	377	332	302	274	250	228	195
1.80	1413	1232	1138	1045	701	534	431	370	327	297	271	246	226	193

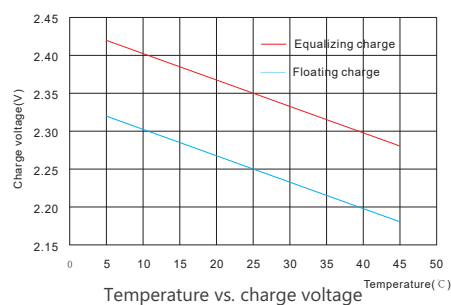
Performance Curve



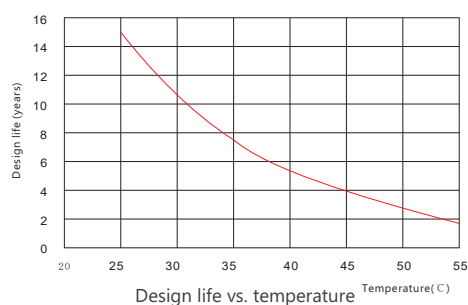
Discharge voltage vs. discharge time



Charge performance



Temperature vs. charge voltage



Design life vs. temperature

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