

Product Features

- Patent composite grid structure, a smaller plate spacing design which provide high current discharge performance and high power output
- Special wide-low type structure effectively prevent electrolyte stratification;
- Optimization for positive and negative active material ratio, battery has high power ratio;
- ABS containers and covers (FV0 optional)

Application

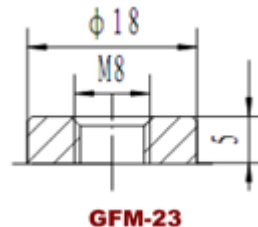
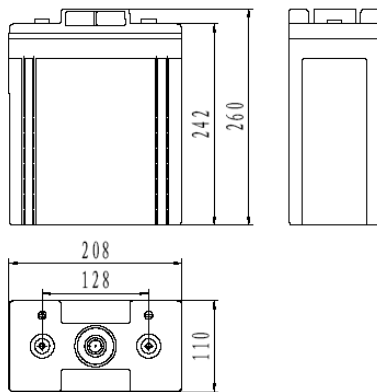
- UPS/EPS
- Telecom;;
- Emergency lighting
- CATV
- Energy utility: production, Transport, distribution, switchgear;
- General electronic

Compliant Standards

- GB/T 19638.2-2005
- IEC 60896-21/22: 2004
- Passed ISO9001、ISO14001、OHSAS18001、UL and CE certificate
- Eurobat guide;

Safety

- installation compliant with:EN50272-2

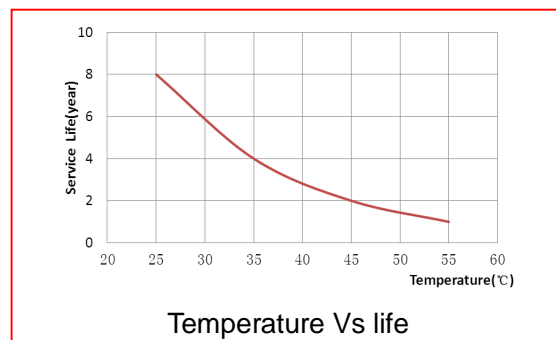
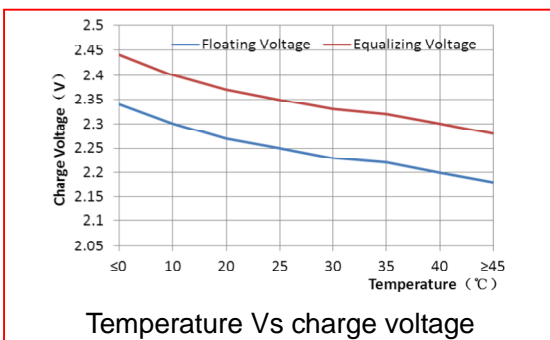
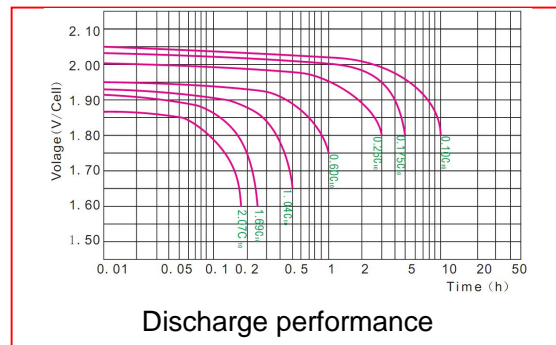
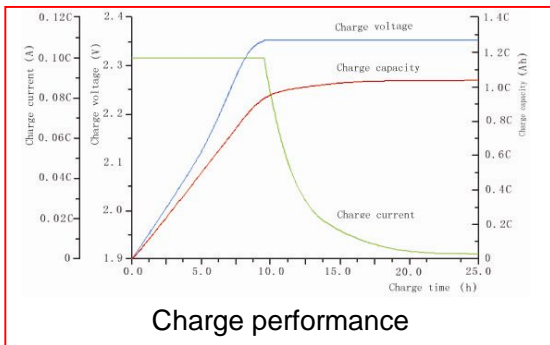


Battery Model	GFMG-200			
Designed Life	12 Years			
Capacity(25°C)	10HR(20A,1.80V)	5HR(35A,1.80V)	3HR(52.5A,1.80V)	1HR(120A,1.75V)
	200AH	175AH	157.5AH	120AH
Dimensions	Length	Width	Height	Total Height
	110mm	208mm	242mm	260mm
Approx. Weight	13.5kg			
Internal Resistance	0.58mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Max Discharge Current	1100A(5 Sec.)			
Self Discharge	≤1% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V(-3.5mV/°C), max charge current:30A		2.25V(-3.5mV/°C)	

Discharge parameter:

Constant current discharge data (25°C, A)																		
End voltage (V/cell)	min							h										
	5	10	15	20	30	40	50	1	1.5	2	3	4	5	6	7	8	9	10
1.60	546	415	338	287	220	178	149	128	97.0	78.0	55.9	44.2	36.7	31.7	27.7	25.4	22.6	20.7
1.65	496	380	313	267	208	170	143	125	94.7	76.7	55.1	43.6	36.3	31.3	27.5	25.2	22.3	20.5
1.70	453	349	289	249	196	161	137	122	92.2	75.3	54.4	43.0	35.9	31.0	27.3	24.9	22.1	20.4
1.75	396	321	272	237	189	157	134	120	90.8	74.0	53.5	42.5	35.4	30.6	27.0	24.7	21.9	20.2
1.80	348	298	257	226	182	152	130	115	88.3	72.2	52.5	41.9	35.0	30.3	26.7	24.4	21.7	20.0

Constant power discharge data (25°C, W/cell)																		
End voltage (V/cell)	min							h										
	5	10	15	20	30	40	50	1	1.5	2	3	4	5	6	7	8	9	10
1.60	796	673	559	487	371	300	257	224	173	142	102	80.9	67.9	59.1	52.8	48.9	43.7	39.8
1.65	731	611	512	449	344	283	244	217	166	137	99.5	79.0	66.8	58.0	52.2	48.3	43.1	39.1
1.70	645	560	476	420	321	268	231	210	162	133	97.5	77.6	65.9	57.2	51.5	47.7	42.5	38.8
1.75	578	518	444	390	301	252	220	201	158	130	95.5	76.2	64.6	56.5	50.9	47.1	41.9	38.3
1.80	531	475	407	360	283	238	212	192	153	126	93.5	74.8	63.5	55.6	50.0	46.5	41.3	37.7

Performance Curve:


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