

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

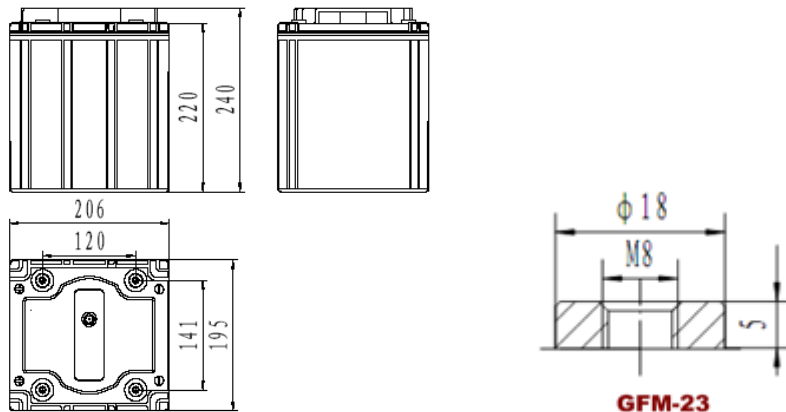
- UPS/EPS;
- Telecom;
- Emergency lighting;
- CATV;
- Energy utility: production, Transport, distribution; switchgear;
- General electronic.

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

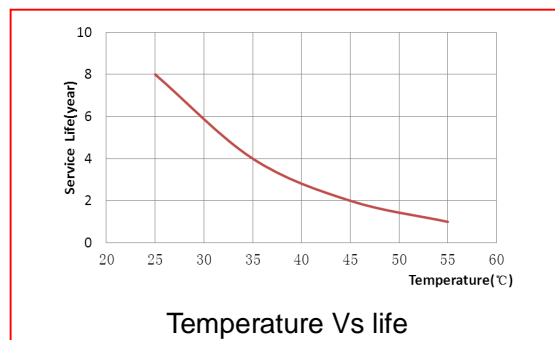
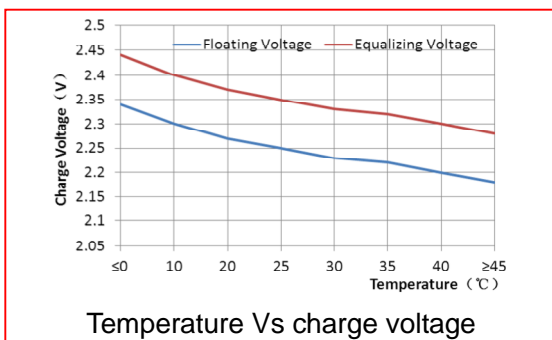
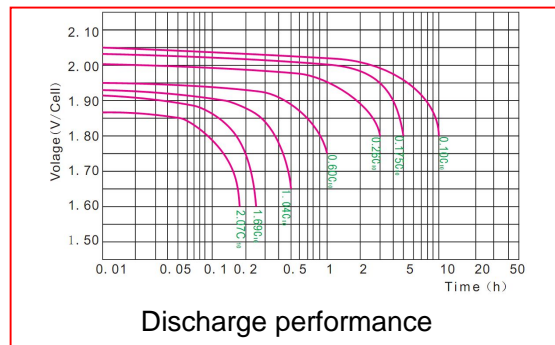
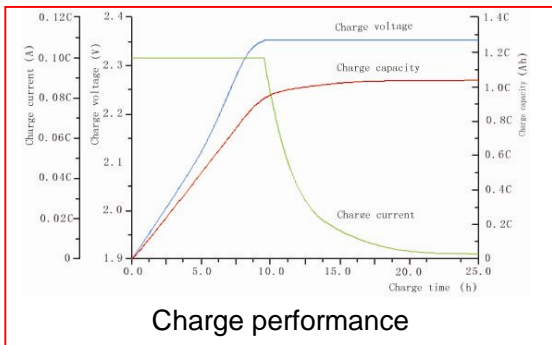


Battery Model	GFMG-320			
Designed Life	12 Years			
Capacity(25°C)	10HR(32A,1.80V)	5HR(56A,1.80V)	3HR(84A,1.80V)	1HR(192A,1.75V)
	320AH	280AH	252AH	192AH
Dimensions	Length	Width	Height	Total Height
	195mm	206mm	220mm	240mm
Approx. Weight	22.8kg			
Internal Resistance	0.47mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Max Discharge Current	1700A(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:48A		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	874	664	541	459	352	285	239	204	155	125	89.5	70.7	58.8	50.7	44.4	40.7	36.1	33.1
1.65	794	609	500	427	332	272	229	201	151	123	88.2	69.8	58.1	50.1	44.0	40.3	35.7	32.9
1.70	725	558	463	398	313	258	219	195	148	120	87.0	68.9	57.4	49.7	43.7	39.9	35.3	32.6
1.75	634	514	436	379	303	251	214	192	145	118	85.6	68.0	56.7	49.0	43.2	39.5	35.0	32.4
1.80	557	476	411	362	291	243	208	184	141	116	84.0	67.0	56.0	48.4	42.7	39.1	34.7	32.0

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	1273	1077	894	779	593	481	411	359	277	227	164	129	109	94.6	84.6	78.2	69.9	63.7
1.65	1169	978	819	718	551	453	390	347	266	219	159	126	107	92.8	83.4	77.3	68.9	62.6
1.70	1032	896	762	672	514	429	369	337	260	213	156	124	105	91.5	82.3	76.3	68.1	62.0
1.75	925	829	710	625	482	403	353	321	252	208	153	122	103	90.4	81.4	75.3	67.1	61.2
1.80	850	760	651	575	452	381	340	306	245	202	150	120	102	89.0	80.0	74.3	66.1	60.3

Performance Curve:


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