

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

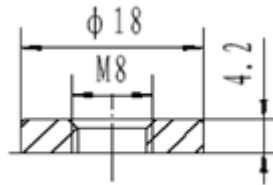
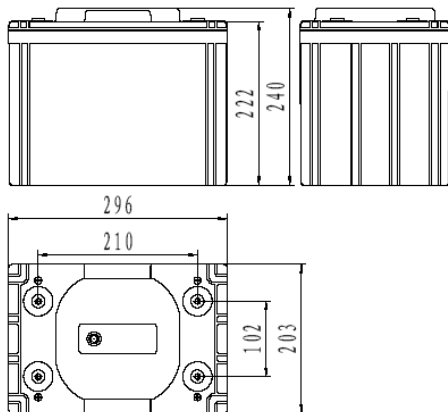
- UPS/EPS;
- Telecom;
- Emergency lighting;
- CATV;
- Energy utility: production, Transport, distribution; switchgear;
- General electronic.

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

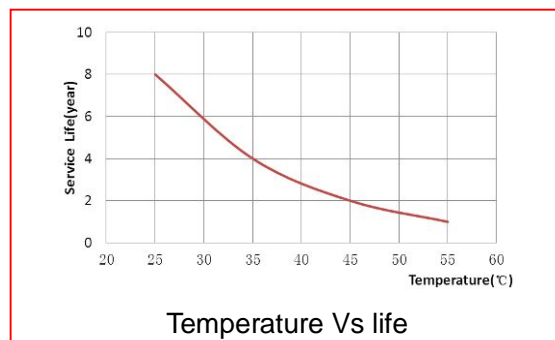
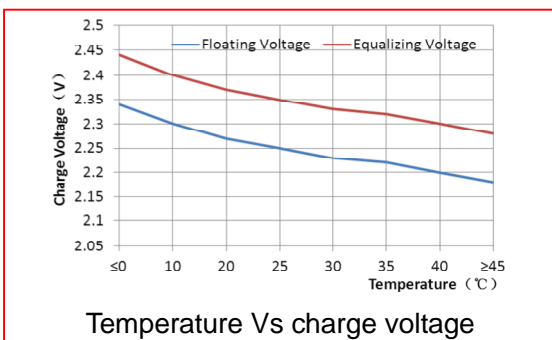
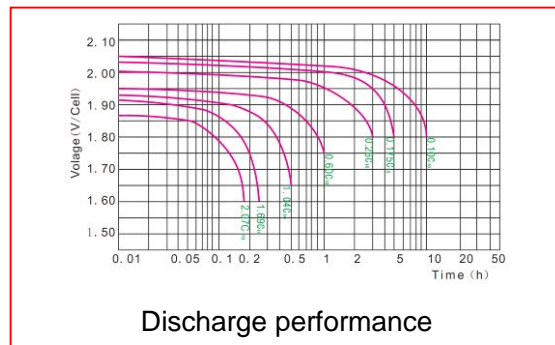
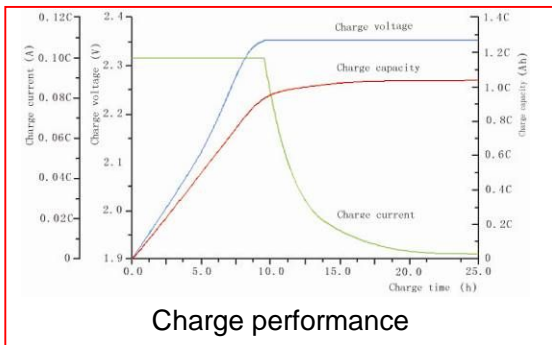

GFM-30

Battery Model	GFMG-515			
Designed Life	12 Years			
Capacity(25℃)	10HR(51.5A,1.80V)	5HR(90.2A,1.80V)	3HR(135A,1.80V)	1HR(309A,1.75V)
	515AH	451AH	405AH	309AH
Dimensions	Length	Width	Height	Total Height
	296mm	203mm	222mm	240mm
Approx. Weight	34.7kg			
Internal Resistance	0.38mΩ for fully charged battery at 25℃ Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Max Discharge Current	2800A(5 Sec.)			
Self Discharge	≤1% per months (25℃)			
Charge Voltage(25℃)	Cycle use		Float use	
	2.35V(-3.5mV/℃), max charge current:77.25A		2.25V(-3.5mV/℃)	

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	1406	1069	871	738	567	459	384	329	250	201	144	114	94.6	81.5	71.4	65.4	58.1	53.3
1.65	1278	979	805	688	535	437	368	323	244	198	142	112	93.5	80.7	70.8	64.8	57.5	52.9
1.70	1167	899	745	641	504	416	353	313	238	194	140	111	92.5	79.9	70.3	64.2	56.9	52.4
1.75	1021	828	701	611	487	405	345	309	234	190	138	109	91.3	78.9	69.6	63.6	56.4	52.1
1.80	896	766	662	582	469	391	334	297	227	186	135	108	90.2	77.9	68.7	62.9	55.8	51.5

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	2049	1734	1439	1254	955	774	661	578	446	365	263	208	175	152	136	126	113	103
1.65	1882	1574	1319	1156	887	729	628	558	429	352	256	204	172	149	134	124	111	101
1.70	1661	1442	1226	1081	828	691	594	542	418	343	251	200	170	147	133	123	110	100
1.75	1488	1334	1143	1005	776	649	568	516	406	334	246	196	166	146	131	121	108	98.5
1.80	1368	1224	1047	926	728	613	547	493	394	325	241	193	164	143	129	120	106	97.0

Performance Curve:


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