

**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**

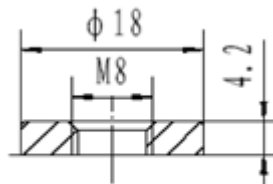
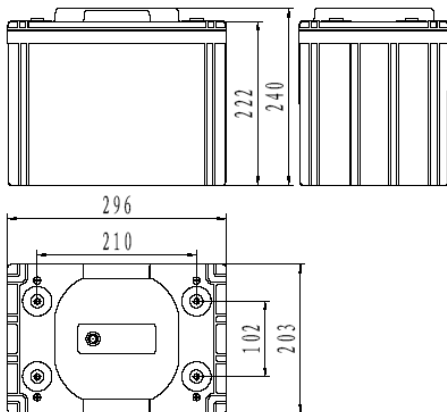
- UPS/EPS;
- Telecom;
- Emergency lighting;
- CATV;
- Energy utility: production, Transport, distribution; switchgear;
- General electronic.

**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

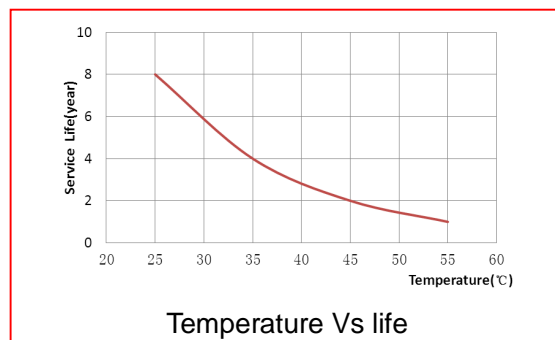
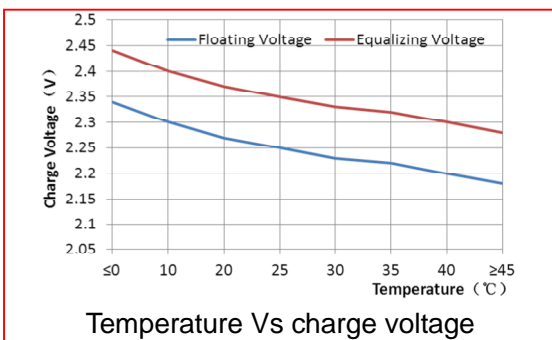
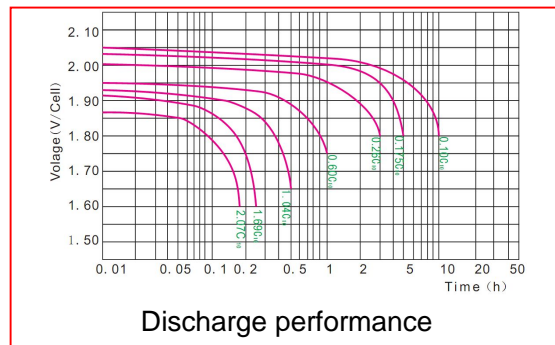
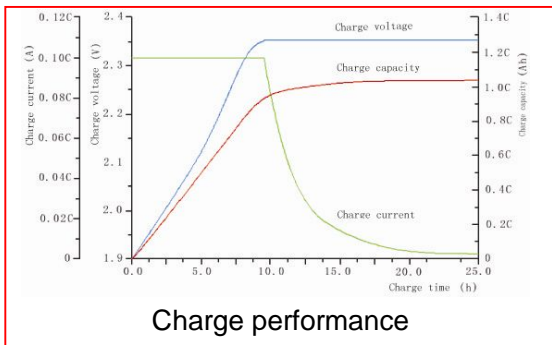

**GFM-30**

Battery Model	GFMG-455			
Designed Life	12 Years			
Capacity(25°C)	10HR(45.5A,1.80V)	5HR(79.7A,1.80V)	3HR(119A,1.80V)	1HR(273A,1.75V)
	455AH	398.5AH	357AH	273AH
Dimensions	Length	Width	Height	Total Height
	296mm	203mm	222mm	240mm
Approx. Weight	32.6kg			
Internal Resistance	0.40mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Max Discharge Current	2500A(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:68.25A		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	1242	945	770	652	501	406	339	290	221	177	127	100	83.6	72.0	63.1	57.8	51.3	47.1
1.65	1129	865	711	607	472	386	325	285	215	174	125	99.2	82.6	71.3	62.6	57.2	50.8	46.7
1.70	1031	794	658	566	445	367	312	277	210	171	124	97.9	81.7	70.6	62.1	56.7	50.3	46.3
1.75	902	731	619	539	430	357	305	273	207	168	122	96.7	80.6	69.7	61.5	56.2	49.8	46.0
1.80	792	677	585	514	414	346	295	262	201	164	119	95.2	79.7	68.8	60.7	55.6	49.3	45.5

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	1810	1532	1271	1108	843	684	584	511	394	322	233	184	155	135	120	111	99.4	90.6
1.65	1663	1391	1165	1021	784	644	555	493	379	311	226	180	152	132	119	110	98.0	89.0
1.70	1468	1274	1083	955	731	610	525	479	369	303	222	177	150	130	117	109	96.8	88.2
1.75	1315	1178	1010	888	686	574	501	456	359	295	217	173	147	129	116	107	95.4	87.0
1.80	1208	1081	925	818	643	542	483	436	348	287	213	170	145	127	114	106	94.0	85.7

**Performance Curve:**


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