

**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**

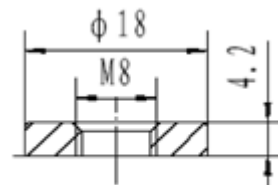
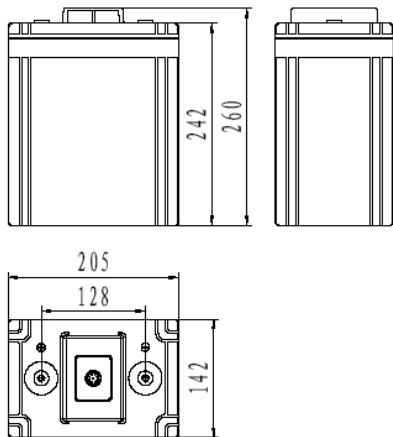
- UPS/EPS;
- Telecom;
- Emergency lighting;
- CATV;
- Energy utility: production, Transport, distribution; switchgear;
- General electronic.

**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

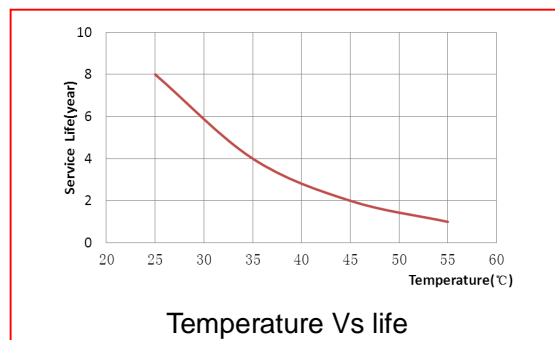
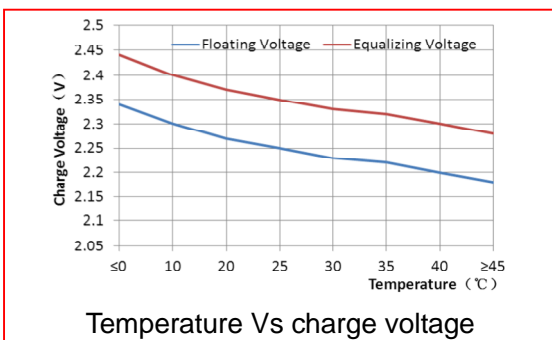
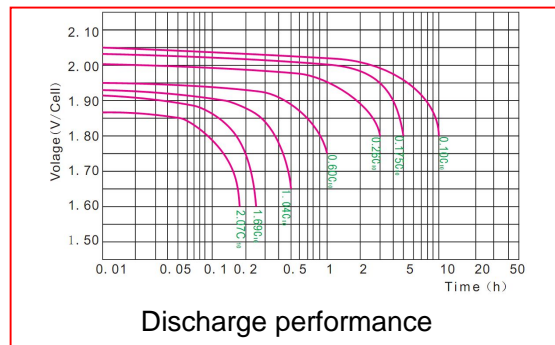
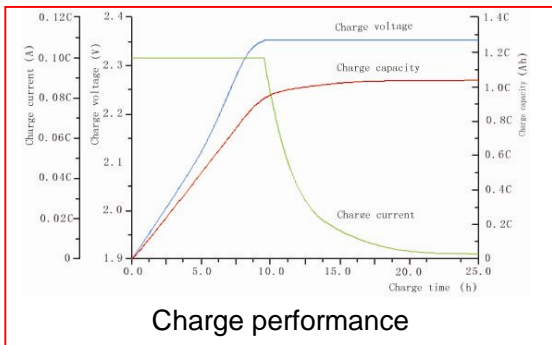

**GFM-30**

Battery Model	GFMG-300			
Designed Life	12 Years			
Capacity(25°C)	10HR(30A,1.80V)	5HR(52.5A,1.80V)	3HR(78.8A,1.80V)	1HR(180A,1.75V)
	300AH	262.5AH	236.4AH	180AH
Dimensions	Length	Width	Height	Total Height
	142mm	205mm	242mm	260mm
Approx. Weight	18.6kg			
Internal Resistance	0.48mΩ for fully charged battery at 25°C Test instrumentation: HIOKI 3551 BATTERY HITESTER			
Max Discharge Current	1650A(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:45A		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	819	623	507	430	330	267	224	191	145	117	83.9	66.2	55.1	47.5	41.6	38.1	33.8	31.1
1.65	745	570	469	400	312	255	215	188	142	115	82.7	65.4	54.5	47.0	41.3	37.7	33.5	30.8
1.70	680	524	434	373	294	242	205	183	138	113	81.5	64.6	53.9	46.5	40.9	37.4	33.1	30.6
1.75	595	482	408	356	284	236	201	180	136	111	80.2	63.7	53.2	46.0	40.5	37.0	32.8	30.4
1.80	522	446	386	339	273	228	195	173	132	108	78.8	62.8	52.5	45.4	40.0	36.6	32.5	30.0

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	1193	1010	838	730	556	451	385	337	260	213	153	121	102	88.7	79.3	73.3	65.5	59.7
1.65	1096	917	768	674	517	424	366	325	250	205	149	119	100	87.0	78.2	72.4	64.6	58.7
1.70	968	840	714	630	482	403	346	316	243	200	146	116	98.8	85.8	77.2	71.6	63.8	58.2
1.75	867	777	666	585	452	378	331	301	236	195	143	114	97.0	84.8	76.4	70.6	62.9	57.4
1.80	797	713	610	539	424	357	319	287	229	189	140	112	95.3	83.4	75.0	69.7	62.0	56.5

**Performance Curve:**


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