

GFM-3000

GFM Series VRLA Gel Battery

ALLGRAND®

Power the World



Applications

- Data/Computing Center, UPS, EPS
- Standby Power for Telecom and Mobile Systems
- Standby Power for Signaling Systems of Railway, Airport, and etc.
- Standby Power for Electrical Utilities and Nuclear Reactors

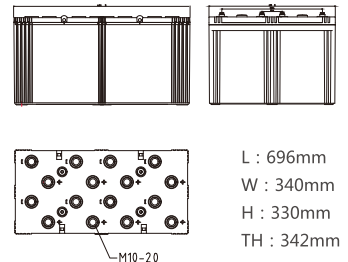
Highlights

- Long life design(up to 12 years)
- Reliably sealed
- High specific energy, low IR & self discharge
- Higher reaction efficiency and conformity

Features

- Float charging life prolonged by our proprietary corrosion resistant alloy;
- High-purity electrolytes and special agents reduce water loss;
- Impacts from earthquakes are reduced by compact seismic ABS jars and covers;
- Delicate seal technologies protect the battery from electrolyte leakage and creepage;
- The delicate construction of self-relief valves can avoid bulges and cracks.
- Easy installation and maintenance are provided by round copper core terminals

Dimensions



L : 696mm
W : 340mm
H : 330mm
TH : 342mm

Certifications



Specifications

Model	GFM-3000	
Design Life	12 years	
Nominal Capacity	20HR(162A,1.80V)	3240Ah
	10HR(300A,1.80V)	3000Ah
	3HR(810A,1.80V)	2430Ah
	1HR(1650A,1.80V)	1650Ah
Internal Resistance	0.10mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33V/Cell (-4mV/°C/Cell) Max. Charge Current:450A	2.23V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

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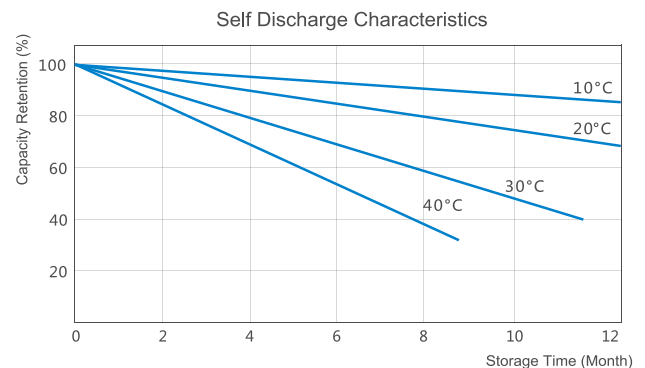
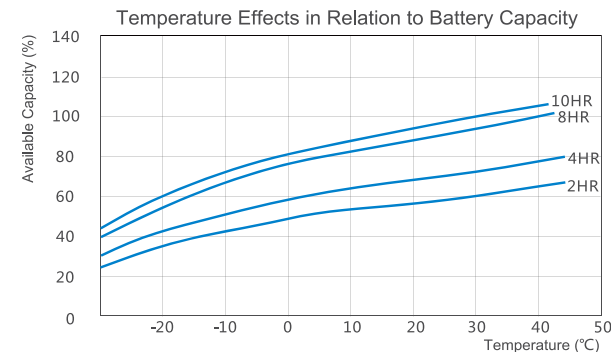
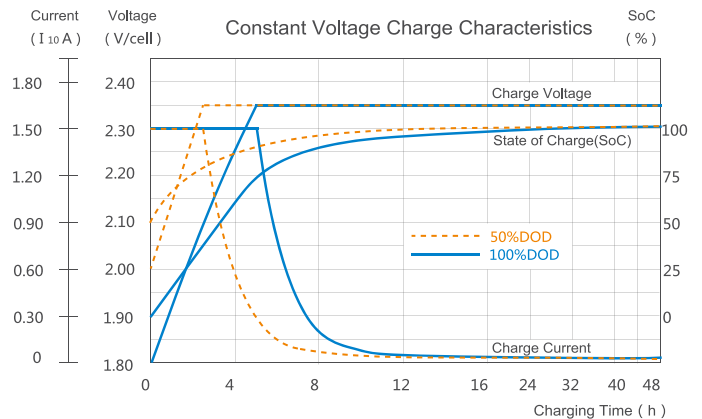
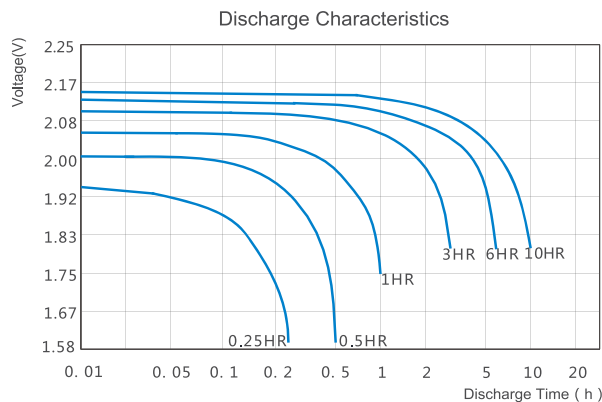
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
GFM-3000	1.85	3002	2641	2279	2127	1872	1594	1419	939	732	576	518	469	373	285	165
	1.80	3306	3062	2818	2574	2163	1791	1563	1016	777	625	534	488	396	303	171
	1.75	3985	3484	3177	2931	2440	1960	1634	1047	795	644	541	495	405	314	175
	1.70	4448	3977	3505	3085	2574	2048	1665	1058	802	651	543	498	408	319	176
	1.67	4871	4217	3738	3303	2751	2082	1675	1062	805	655	544	499	409	320	177
	1.60	5507	4669	4065	3526	2863	2115	1688	1067	808	659	546	501	412	322	178

Constant Power Discharge Rate (Watt/Cell, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
GFM-3000	1.85	5128	4591	4319	4081	3467	3028	2644	1764	1400	1109	1023	926	733	573	309
	1.80	6023	5428	4992	4551	3842	3209	2869	1915	1478	1170	1053	960	773	602	330
	1.75	6775	6125	5536	5106	4179	3423	3006	1982	1512	1204	1065	973	790	621	338
	1.70	7811	6674	6040	5474	4385	3593	3072	2005	1523	1215	1069	978	794	627	340
	1.67	8253	7075	6294	5649	4510	3648	3094	2016	1529	1221	1071	979	797	629	341
	1.60	8892	7749	6679	5972	4668	3708	3116	2022	1534	1226	1073	982	801	635	343

Performance



Disclaimer: All data presented above are subject to change without further notice.
Please contact ALLGRAND for latest updates.