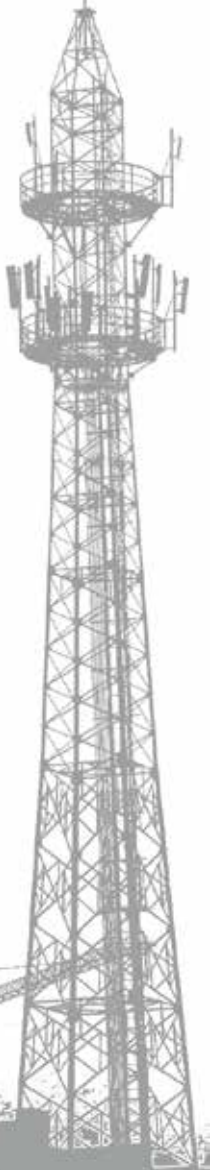


GFM-600

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

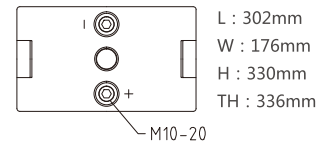
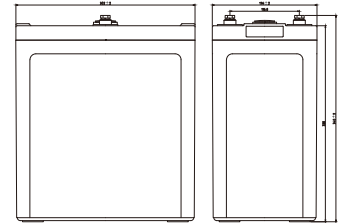
Highlights

- ▣ 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



Certifications



Specifications

Model	GFM-600	
Design Life	12 years	
Nominal Capacity	20HR(32.4A,1.80V)	648Ah
	10HR(60A,1.80V)	600Ah
	3HR(162A,1.80V)	486Ah
	1HR(330A,1.80V)	330Ah
Internal Resistance	0.43mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33V/Cell (-4mV/°C/Cell) Max. Charge Current:90A	2.23V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

GFM-600

GFM Series VRLA Gel Battery



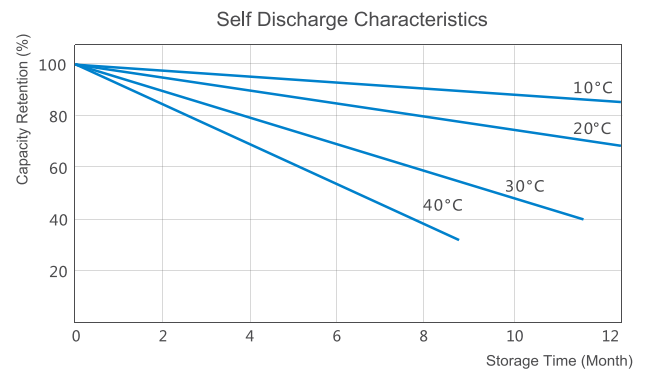
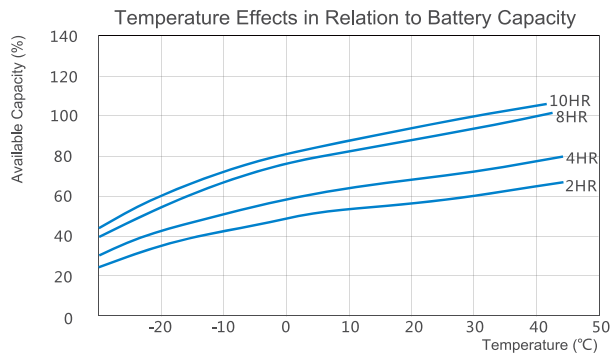
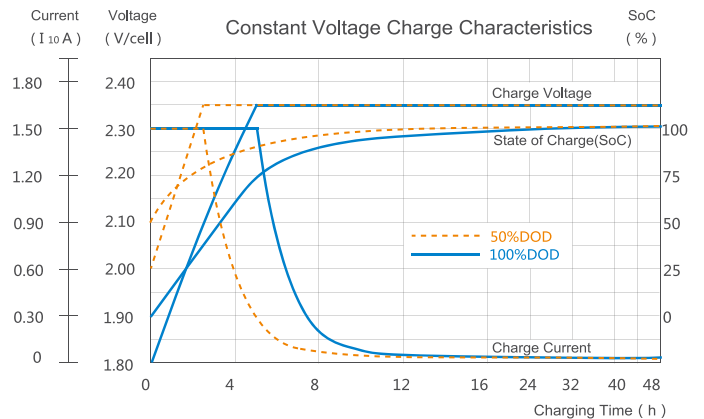
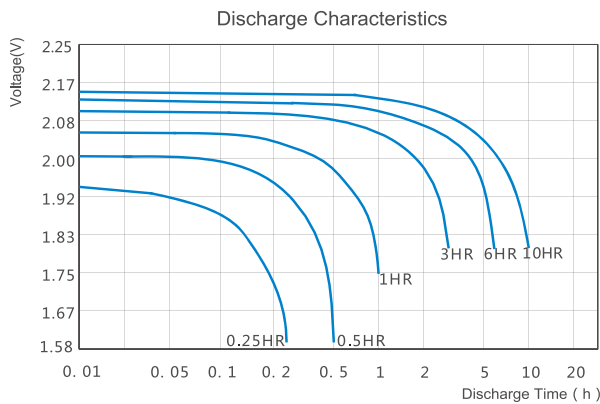
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
GFM-600	1.85	600	528	456	425	374	319	284	188	146	115	104	93.9	74.7	57.0	32.9	
	1.80	661	612	564	515	433	358	313	203	155	125	107	97.6	79.2	60.7	34.2	
	1.75	797	697	635	586	488	392	327	209	159	129	108	99.0	81.0	62.8	35.0	
	1.70	890	795	701	636	531	410	333	212	160	130	109	99.6	81.6	63.7	35.2	
	1.67	974	843	748	661	550	416	335	212	161	131	109	99.8	81.9	64.0	35.3	
	1.60	1101	934	813	705	573	423	338	213	162	132	109	100	82.3	64.5	35.6	

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-600	1.85	1026	918	864	816	722	631	551	360	286	226	209	189	150	115	63.0	
	1.80	1205	1086	998	910	800	669	598	391	302	239	215	196	158	120	67.4	
	1.75	1355	1225	1107	1021	871	713	626	405	309	246	217	199	161	124	68.9	
	1.70	1562	1335	1208	1095	914	749	640	409	311	248	218	200	162	125	69.5	
	1.67	1651	1415	1259	1130	940	760	645	411	312	249	219	200	163	126	69.7	
	1.60	1778	1550	1336	1194	972	773	649	413	313	250	219	200	163	127	69.9	

Performance



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