

6-GFM-100

GFM Series VRLA Gel Battery

ALLGRAND®

Power the World



Applications

- ▣ Data/Computing Center, UPS, EPS
- ▣ Signaling Systems of Railway, Airport, and etc.
- ▣ Medical Equipment, Emergency Lights
- ▣ Beacon, Vessel
- ▣ Security, Automatic Control, Electronics

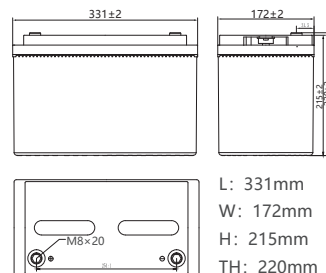
Highlights

- ▣ 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.

Dimensions



L: 331mm
W: 172mm
H: 215mm
TH: 220mm

Certifications



Specifications

Model	6-GFM-100	
Design Life	12 years	
Nominal Capacity	20HR(5.4A,1.80V)	108Ah
	10HR(10A,1.80V)	100Ah
	3HR(27A,1.80V)	81Ah
	1HR(55A,1.80V)	55Ah
Internal Resistance	4.7mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:15A	2.23-2.27V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

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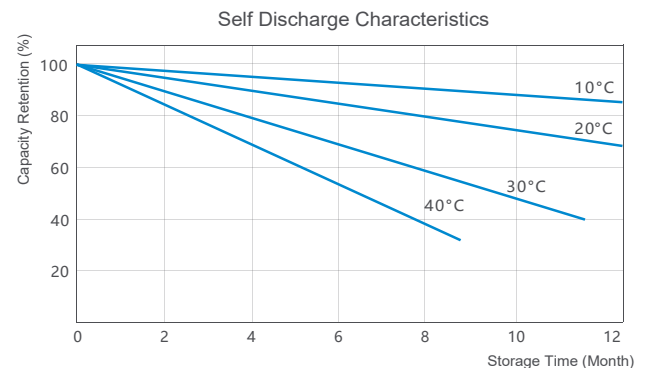
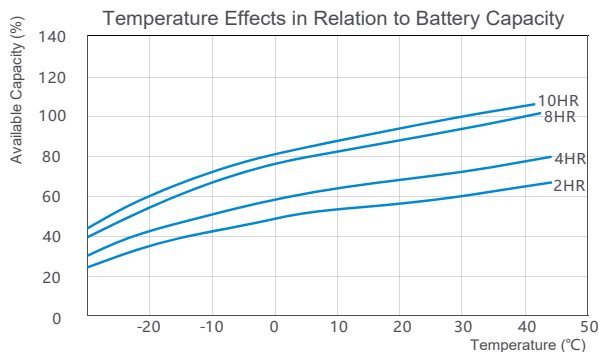
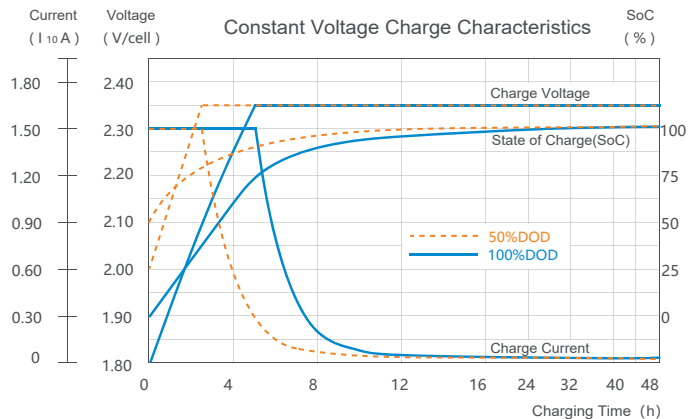
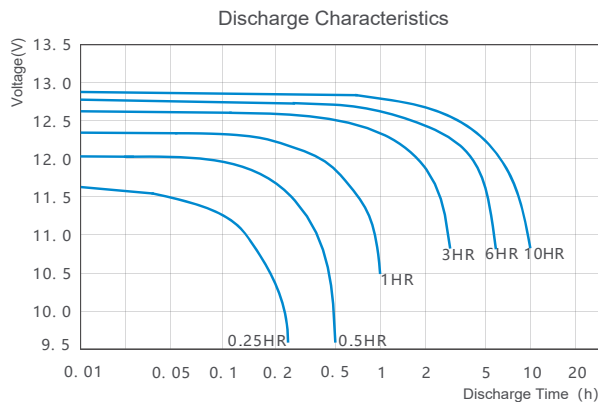
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
6-GFM-100	1.85	194	158	134	117	89.3	65.8	54.5	33.5	24.8	20.0	16.9	14.9	12.0	9.90	5.23
	1.80	228	180	149	128	95.0	68.6	56.1	34.2	25.3	20.5	17.3	15.2	12.2	10.1	5.34
	1.75	252	189	157	134	99.3	71.4	58.1	34.9	25.9	20.9	17.7	15.4	12.4	10.3	5.41
	1.70	269	201	164	142	104	74.0	59.9	35.9	26.4	21.2	18.0	15.7	12.6	10.4	5.47
	1.67	281	212	174	150	107	76.3	61.4	36.7	26.9	21.7	18.4	16.1	12.7	10.5	5.54
	1.60	293	224	182	154	112	78.3	63.9	37.3	27.6	22.2	18.8	16.3	12.9	10.6	5.60

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
6-GFM-100	1.85	362	292	260	223	169	126	105	67.3	51.8	40.8	34.6	30.5	24.7	20.1	11.9
	1.80	417	321	280	238	178	131	108	69.8	53.6	42.0	35.4	31.2	25.2	20.5	12.0
	1.75	442	338	293	249	186	136	111	71.3	54.4	42.8	36.0	31.7	25.6	20.8	12.1
	1.70	464	352	305	259	193	137	115	72.5	55.5	43.8	36.1	32.1	26.0	21.1	12.3
	1.67	480	371	309	264	199	144	117	73.9	56.6	44.2	36.2	32.5	26.4	21.4	12.5
	1.60	501	389	320	274	205	147	119	75.2	57.7	44.4	36.3	33.0	26.5	21.5	12.6

Performance



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