

6-GFM-65

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

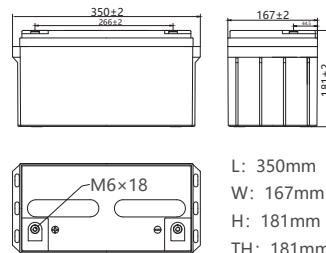
Highlights

- ▣ 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



Certifications



Specifications

Model	6-GFM-65	
Design Life	12 years	
Nominal Capacity	20HR(3.51A,1.80V)	70.2Ah
	10HR(6.5A,1.80V)	65Ah
	3HR(17.55A,1.80V)	52.65Ah
	1HR(35.75A,1.80V)	35.75Ah
Internal Resistance	7.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:9.75A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

V11 20200501CH

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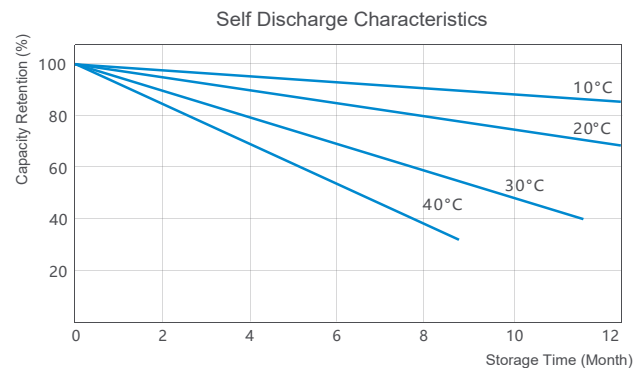
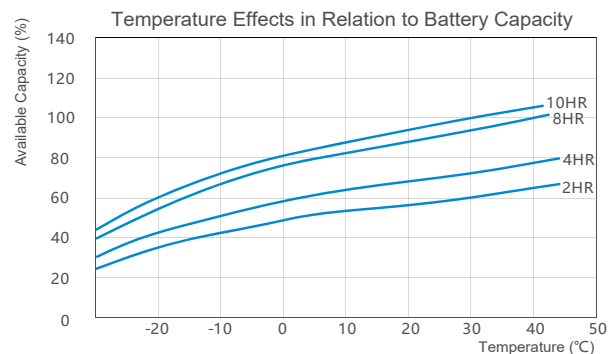
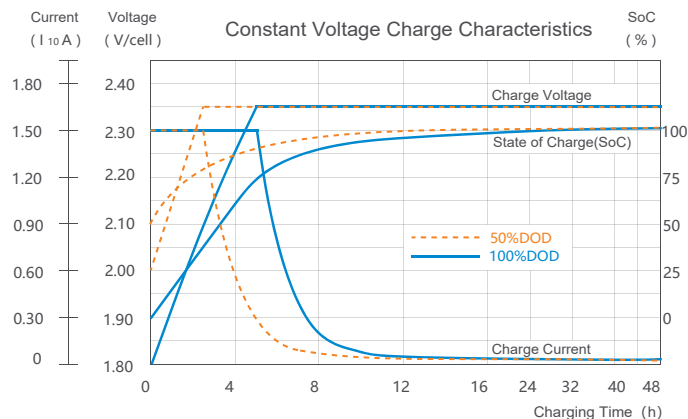
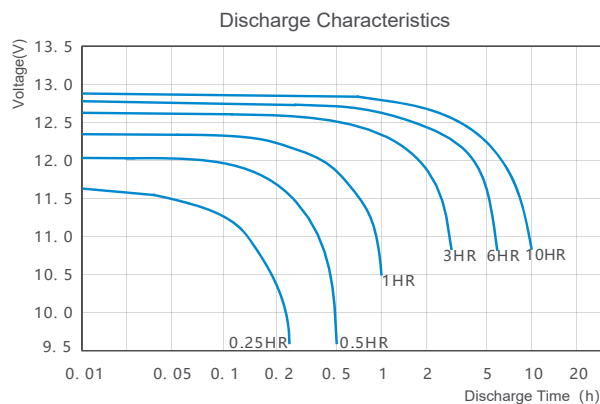
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
6-GFM-65	1.85	136	108	89.7	76.5	61.9	43.9	35.5	21.3	16.1	12.8	10.8	9.4	7.62	6.48	3.40
	1.80	156	126	103	86.3	65.9	45.4	36.5	22.0	16.5	13.1	11.1	9.7	7.79	6.62	3.47
	1.75	169	133	109	91.1	67.9	46.8	37.8	22.7	16.9	13.4	11.4	9.8	7.93	6.70	3.51
	1.70	186	143	116	96.2	70.0	48.3	38.9	23.3	17.4	13.8	11.7	10.1	8.04	6.78	3.56
	1.67	194	154	124	100	72.2	49.7	39.9	23.8	17.9	14.3	12.0	10.3	8.14	6.85	3.60
	1.60	204	163	131	102	74.4	51.3	40.8	24.3	18.4	14.6	12.3	10.5	8.27	6.91	3.63

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-65	1.85	212	175	148	130	107	85.8	72.8	48.9	34.7	28.1	23.4	20.6	16.2	13.3	7.43
	1.80	241	198	169	147	117	91.9	76.1	50.8	36.7	29.2	23.8	21.2	16.6	13.7	7.74
	1.75	270	215	183	157	122	95.2	78.0	51.6	37.3	29.3	24.0	21.4	16.8	13.9	7.88
	1.70	290	229	192	163	125	96.7	78.9	51.9	37.7	29.4	24.1	21.5	16.9	14.0	7.94
	1.67	302	240	198	167	127	97.4	79.4	52.1	37.8	29.5	24.2	21.6	17.0	14.1	7.97
	1.60	315	248	200	169	128	97.9	79.7	52.2	37.9	29.6	24.3	21.7	17.1	14.2	8.00

Performance



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