

6-GFM-200

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

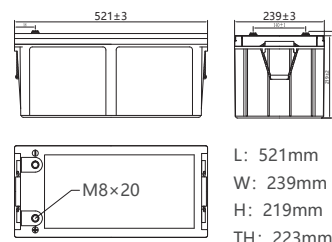
Highlights

- ▣ 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: 521mm
W: 239mm
H: 219mm
TH: 223mm

Certifications



Specifications

Model	6-GFM-200	
Design Life	12 years	
Nominal Capacity	20HR(10.8A,1.80V)	216Ah
	10HR(200A,1.80V)	200Ah
	3HR(54A,1.80V)	162Ah
	1HR(110A,1.80V)	110Ah
Internal Resistance	3.7mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:30A	2.23-2.27V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

V11 20200501CH

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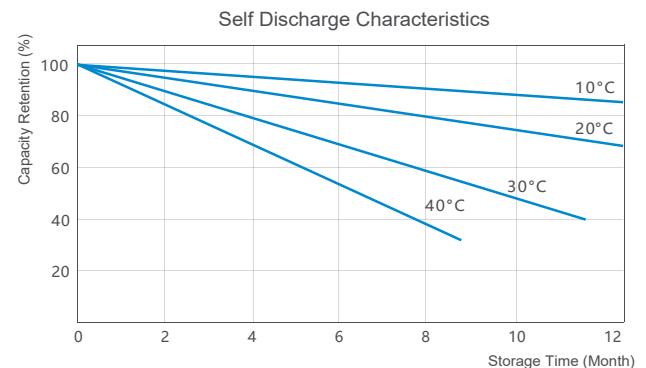
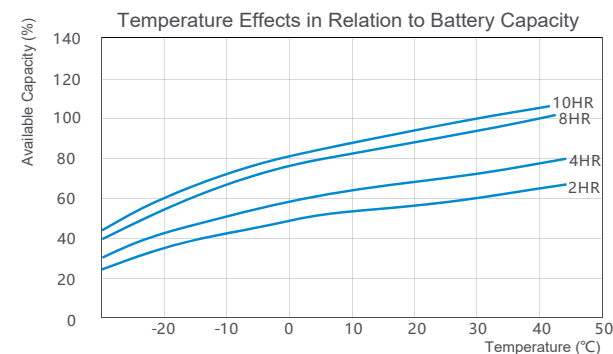
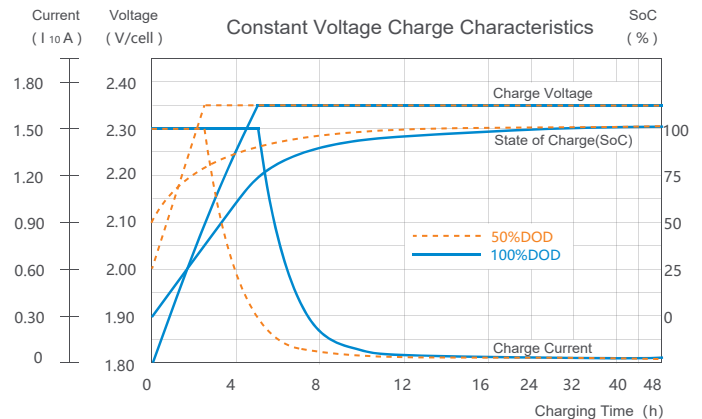
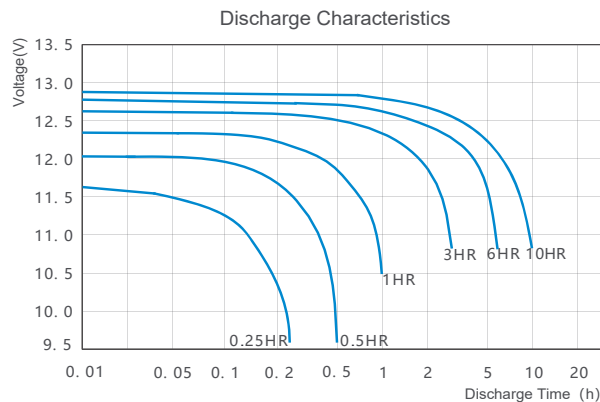
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
6-GFM-200	1.85	372	306	247	205	160	126	109	66.9	49.5	40.1	33.8	29.7	23.9	19.8	10.5
	1.80	426	326	272	234	170	132	112	68.4	50.5	41.0	34.6	30.3	24.4	20.3	10.7
	1.75	449	346	286	244	178	138	116	70.0	51.7	41.7	35.4	30.9	24.7	20.6	10.8
	1.70	483	368	302	260	186	144	120	71.7	52.8	42.5	36.0	31.4	25.1	20.7	10.9
	1.67	508	388	321	273	192	148	123	73.2	53.9	43.5	36.8	32.1	25.5	20.9	11.0
	1.60	546	409	337	285	198	153	125	74.7	55.3	44.3	37.6	32.7	25.8	21.1	11.2

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-200	1.85	642	541	486	434	357	285	236	150	101	80.8	68.3	59.8	47.4	39.7	23.4
	1.80	719	598	526	469	382	305	247	157	107	83.6	70.2	61.6	48.4	41.0	24.4
	1.75	765	651	561	497	401	315	254	160	110	85.1	71.3	62.3	48.8	41.9	24.7
	1.70	801	694	590	518	413	321	259	161	111	85.8	71.7	62.0	49.0	42.2	24.8
	1.67	831	724	613	532	420	324	261	162	112	86.2	72.1	63.0	49.1	42.4	24.9
	1.60	853	746	633	542	425	326	262	163	113	87.2	72.3	63.2	49.3	42.5	25.0

Performance



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