

6-GFMJ-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

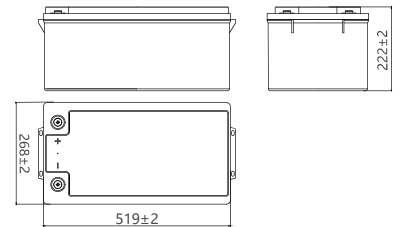
Highlights

- ▣ Long life design(up to 15 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-GFMJ-200	
Design Life	15 years	
Nominal Capacity	10HR(20A,1.80V)	200Ah
	3HR(50A,1.80V)	150Ah
	1HR(100A,1.80V)	100Ah
Internal Resistance	3.6mΩ(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	2.21-2.25V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

V11 20200501CH

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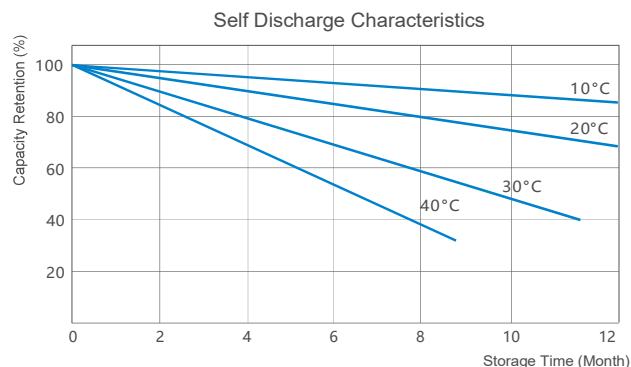
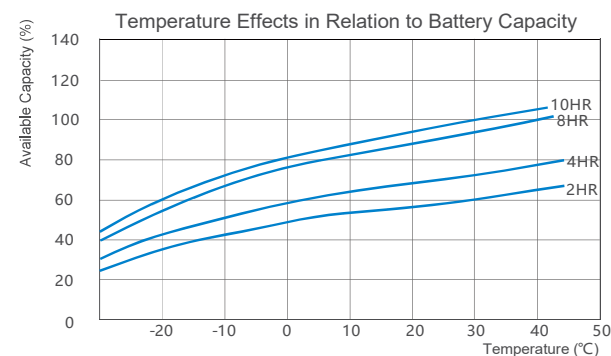
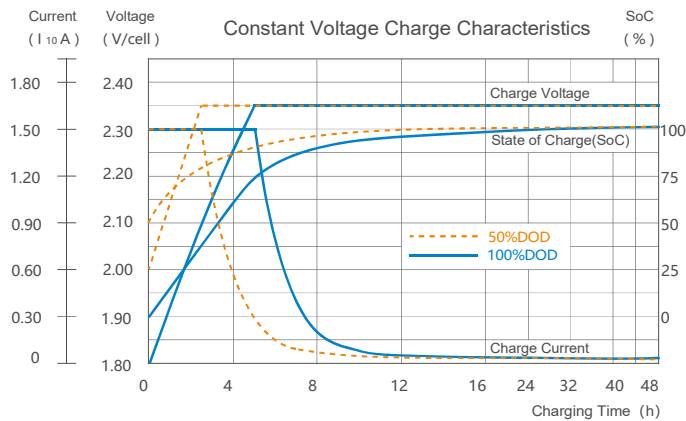
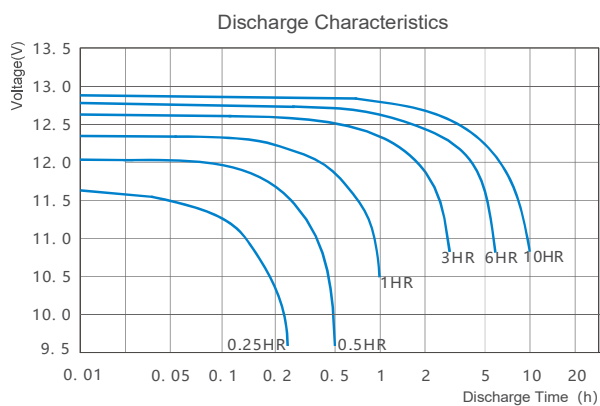
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMJ-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-GFMJ-200	1.85	585	491	443	385	304	244	211	135	104	81.6	69.1	61.1	49.5	40.3	21.2	
	1.80	675	541	478	409	324	255	216	139	107	83.9	70.8	62.4	50.5	40.9	21.5	
	1.75	731	566	501	423	336	265	223	143	109	85.6	72.1	63.3	51.3	41.6	21.8	
	1.70	766	596	522	442	348	273	229	145	111	87.1	73.3	64.2	51.7	42.2	22.3	
	1.67	801	628	535	458	360	281	234	148	113	87.8	73.9	65.0	51.8	42.8	22.5	
	1.60	838	659	561	475	374	287	238	150	115	88.3	74.2	66.1	51.9	43.6	23.0	

Performance



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