

6-GFMJ-100

GFMJ 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

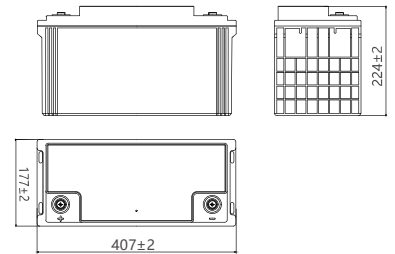
Highlights

- ▶ 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-100	
Design Life	15 years	
Nominal Capacity	10HR(10A,1.80V)	100Ah
	3HR(25A,1.80V)	75Ah
	1HR(50A,1.80V)	50Ah
Internal Resistance	6.1mΩ(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	2.21-2.25V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

V11 20200501CH

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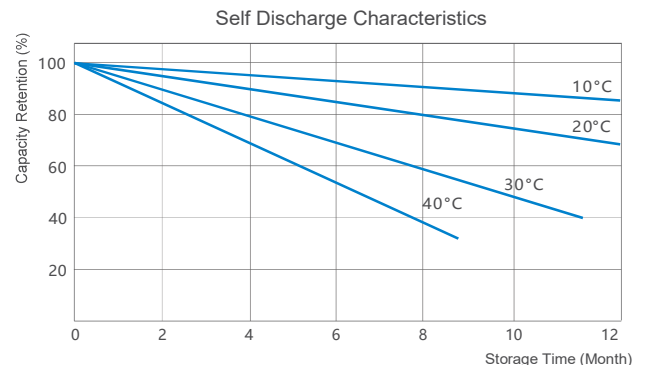
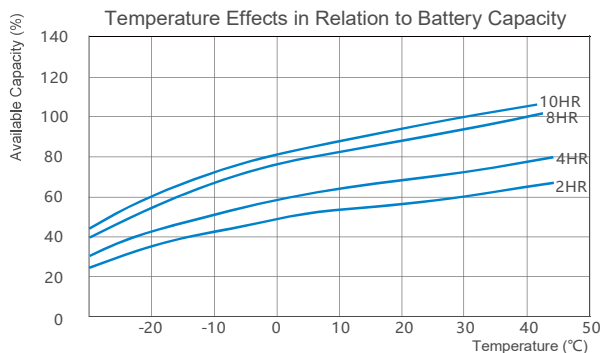
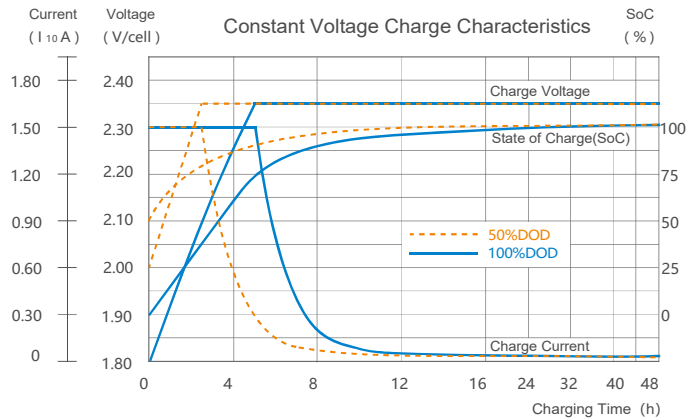
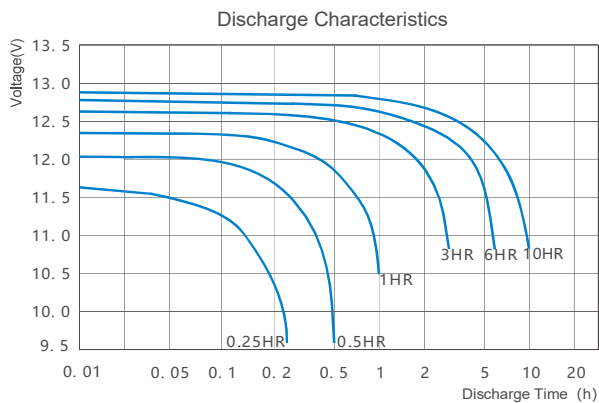
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMJ-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-GFMJ-100	1.85	315	254	226	199	153	126	105	67.3	51.8	40.8	34.6	30.5	24.7	20.1	11.9	
	1.80	363	279	243	212	162	131	108	69.8	53.6	42.0	35.4	31.2	25.2	20.5	12.0	
	1.75	384	294	255	222	169	136	111	71.3	54.4	42.8	36.0	31.7	25.6	20.8	12.1	
	1.70	403	307	265	230	176	137	115	72.5	55.5	43.8	36.1	32.1	26.0	21.1	12.3	
	1.67	418	323	269	235	181	144	117	73.9	56.6	44.2	36.2	32.5	26.4	21.4	12.5	
	1.60	436	339	279	244	186	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.