

# 6-GFMJ-120

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

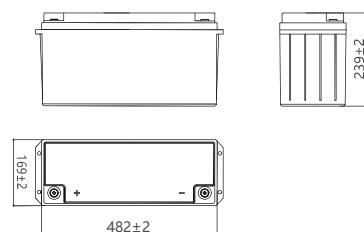
## Highlights

- 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-120	
Design Life	15 years	
Nominal Capacity	10HR(12A,1.80V)	120Ah
	3HR(30A,1.80V)	90Ah
	1HR(60A,1.80V)	60Ah
Internal Resistance	5.3mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:18A	2.21-2.25V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

V11.20200501CH

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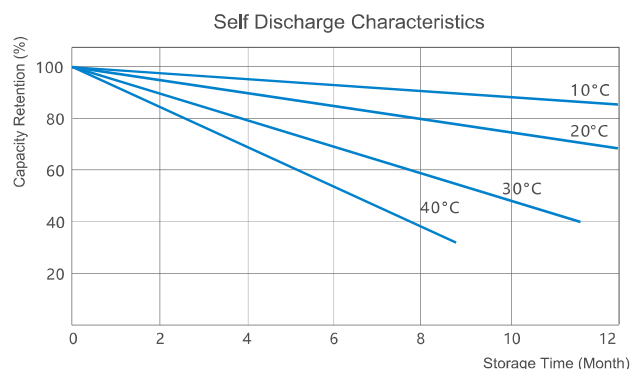
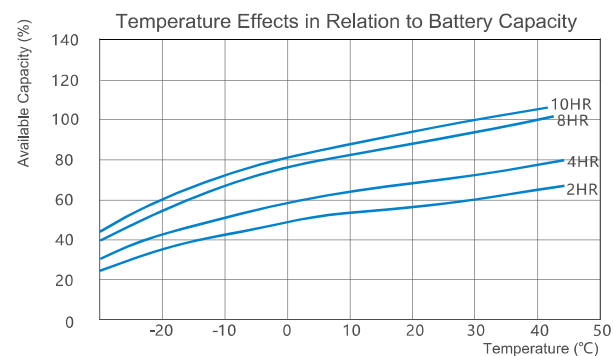
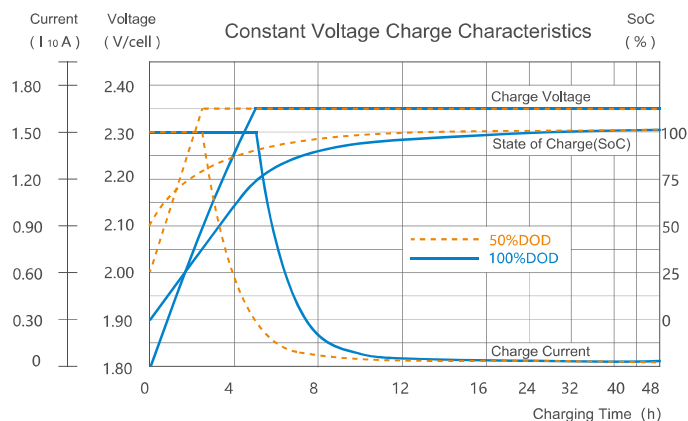
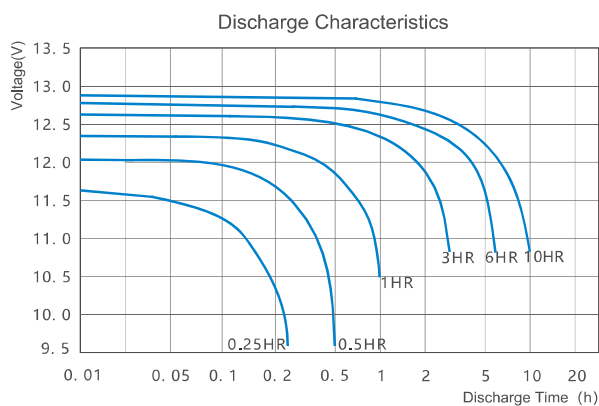
## Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMJ-120	1.85	233	190	159	136	107	76.8	65.4	40.1	29.7	24.0	20.3	17.8	14.3	11.9	6.31	
	1.80	274	216	177	153	114	80.0	67.3	41.0	30.6	24.6	20.8	18.2	14.6	12.2	6.43	
	1.75	302	227	185	160	119	83.3	69.7	42.2	31.2	25.0	21.2	18.5	14.8	12.3	6.52	
	1.70	323	242	196	171	125	86.4	71.9	43.2	31.8	25.5	21.6	18.9	15.1	12.4	6.60	
	1.67	337	254	209	179	129	89.0	73.7	44.1	32.4	26.1	22.1	19.3	15.3	12.5	6.67	
	1.60	352	269	219	185	134	91.3	76.6	44.8	33.2	26.6	22.6	19.6	15.5	12.6	6.72	

## 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-120	1.85	365	293	253	229	180	146	127	80.8	62.1	49.0	41.5	36.6	29.7	24.2	13.2	
	1.80	420	322	273	243	191	152	129	83.7	64.3	50.3	42.5	37.4	30.3	24.5	13.4	
	1.75	445	337	285	252	198	158	134	85.5	65.3	51.3	43.2	38.0	30.7	24.9	13.6	
	1.70	466	355	296	263	205	162	138	86.9	66.6	52.2	43.3	38.5	31.2	25.3	13.8	
	1.67	484	374	308	273	213	167	140	88.6	68.0	53.1	43.4	39.0	31.6	25.7	14.0	
	1.60	505	393	323	283	221	172	142	90.3	69.2	53.3	43.6	39.7	31.8	25.8	14.3	

## Performance



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