

6-GFMJ-180

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

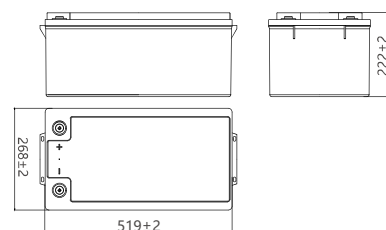
Highlights

- ▣ 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-180	
Design Life	15 years	
Nominal Capacity	10HR(18A,1.80V)	180Ah
	3HR(45A,1.80V)	135Ah
	1HR(90A,1.80V)	90Ah
Internal Resistance	3.8mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:27A	2.21-2.25V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

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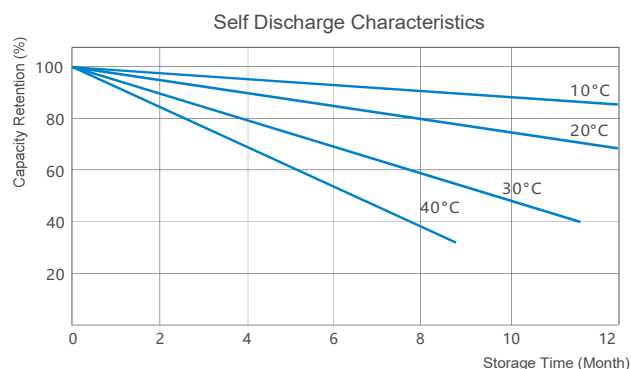
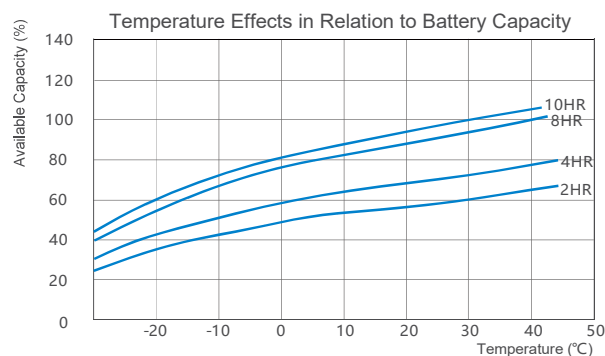
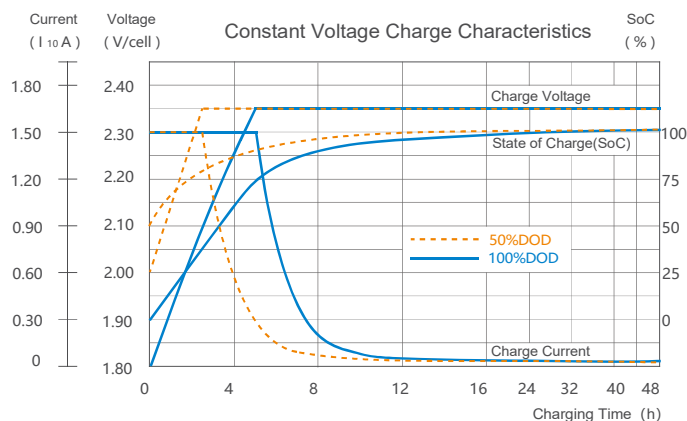
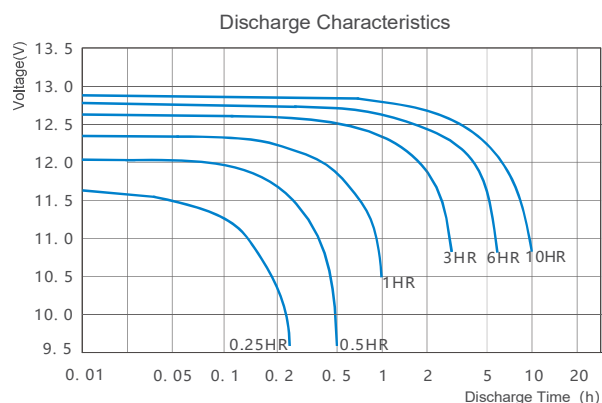
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour									
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
6-GFMJ-180	1.85	335	275	223	184	144	114	98.2	60.2	44.6	36.1	30.4	26.7	21.5	17.9	9.45	
	1.80	383	293	245	210	153	119	101	61.5	45.5	36.9	31.2	27.3	21.9	18.3	9.64	
	1.75	404	312	257	220	160	125	105	63.0	46.5	37.6	31.8	27.8	22.2	18.5	9.73	
	1.70	435	331	272	234	168	130	108	64.5	47.5	38.2	32.4	28.3	22.6	18.7	9.82	
	1.67	458	349	289	246	173	134	111	65.9	48.5	39.1	33.1	28.9	23.0	19.0	9.94	
	1.60	492	368	303	257	178	137	113	67.2	49.7	39.9	33.9	29.4	23.3	19.2	10.1	

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-180	1.85	500	420	379	340	274	220	190	121	93.2	73.5	62.2	55.0	44.5	36.3	19.0	
	1.80	577	462	408	361	292	229	195	126	96.5	75.5	63.7	56.1	45.4	36.8	19.4	
	1.75	625	484	428	374	302	238	201	128	98.0	77.0	64.9	57.0	46.1	37.4	19.6	
	1.70	654	509	446	390	313	245	206	130	100	78.4	65.9	57.7	46.5	38.0	20.1	
	1.67	685	537	457	404	324	253	211	133	102	79.0	66.5	58.5	46.6	38.6	20.3	
	1.60	716	563	480	420	337	258	215	135	104	79.4	66.8	59.5	46.7	39.2	20.7	

Performance



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

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