

6-GFM-150

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

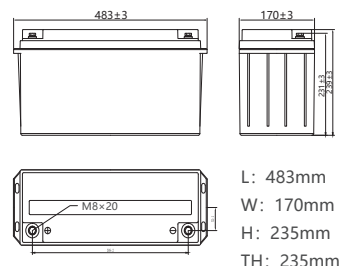
Highlights

- ▣ 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: 483mm
W: 170mm
H: 235mm
TH: 235mm

Certifications



Specifications

Model	6-GFM-150	
Design Life	12 years	
Nominal Capacity	20HR(8.1A,1.80V)	162Ah
	10HR(15A,1.80V)	150Ah
	3HR(40.5A,1.80V)	121.5Ah
	1HR(82.5A,1.80V)	82.5Ah
Internal Resistance	4.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:22.5A	2.23-2.27V/Cell (-3mV/°C/Cell))

Note: Data contained herein are measured at 25°C

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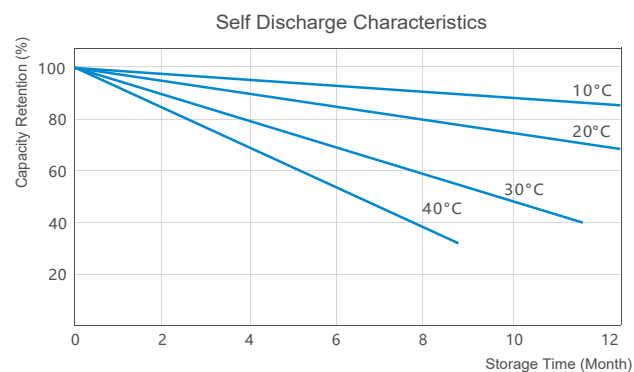
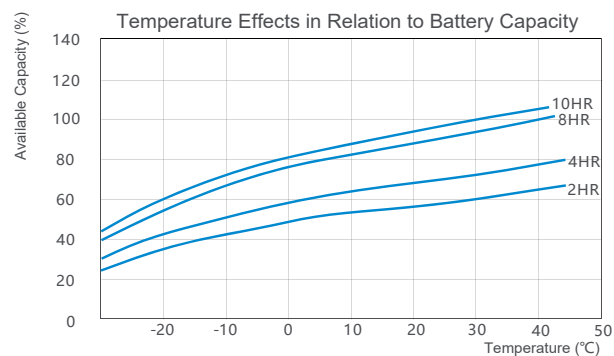
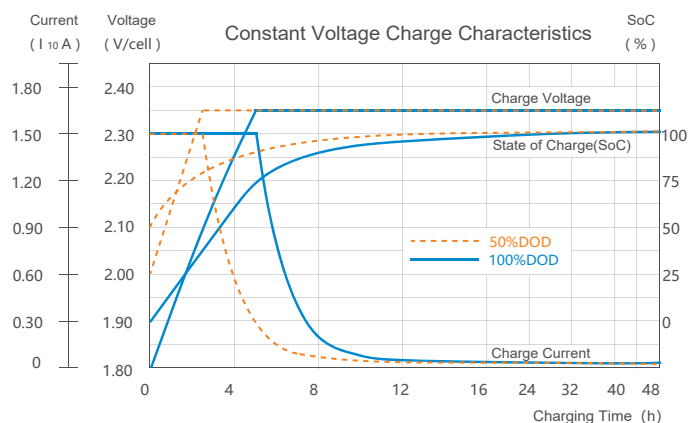
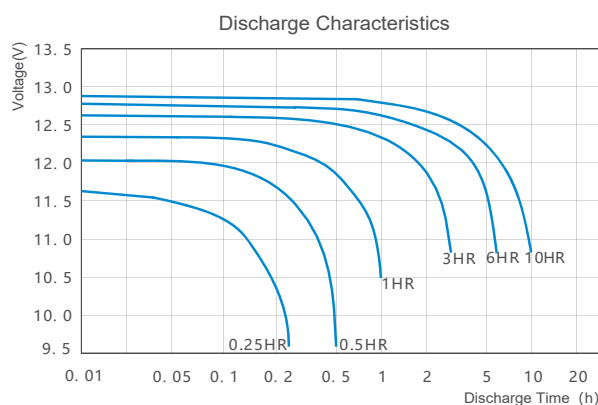
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour								
		5	10	15	20	30	45	1	2	3	4	5	6	8	10	20
6-GFM-150	1.85	291	238	196	168	125	93.6	81.8	50.2	37.2	30.1	25.3	22.3	17.9	14.8	7.85
	1.80	342	267	223	192	133	97.7	84.1	51.3	37.9	30.8	26.0	22.7	18.3	15.2	8.01
	1.75	374	284	234	201	140	102	87.2	52.4	38.8	31.3	26.5	23.2	18.5	15.4	8.12
	1.70	403	302	248	211	145	105	89.9	53.8	39.6	31.9	27.0	23.6	18.9	15.6	8.21
	1.67	422	318	264	221	150	109	92.1	54.9	40.4	32.6	27.6	24.1	19.1	15.7	8.31
	1.60	439	336	276	229	157	112	94.1	56.1	41.5	33.2	28.2	24.5	19.4	15.8	8.43

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-150	1.85	437	377	337	306	252	201	168	115	81.0	63.1	53.6	47.6	37.3	30.1	16.8
	1.80	513	412	369	334	273	216	177	119	83.8	64.8	55.0	49.1	38.0	30.9	17.4
	1.75	551	441	393	356	288	225	183	121	84.8	65.4	55.4	49.6	38.3	31.3	17.7
	1.70	592	485	412	368	296	231	187	122	85.9	66.0	55.8	49.9	38.5	31.6	17.8
	1.67	623	513	430	381	302	234	188	123	86.4	66.2	56.0	50.1	38.6	31.7	17.9
	1.60	644	538	448	392	308	236	189	124	86.7	66.5	56.2	50.2	38.7	31.8	18.0

Performance



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