

6-GFMHR-700W

GFMHR Series VRLA Gel Battery

ALLGRAND®

Power the World



Applications

- Data Center, UPS
- High-power and high current discharge scenarios
- High precision device backup power supply
- Emergency lights, beacon lights

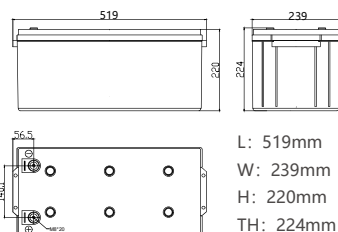
Highlights

- Designed for high-current, high-power applications with high energy density
- Design life up to 12 years
- Easy maintenance, low total cost
- Safe, reliable and stable

Features

- Small internal resistance and voltage drop suitable for high-power and high-current discharge
- Low self discharge, good charge acceptance, sealed and high efficient reaction
- Excellent production process, strong battery consistency

Dimensions



L: 519mm
W: 239mm
H: 220mm
TH: 224mm

Certifications



Specifications

Model	6-GFMHR-700W	
Design Life	12 years	
Nominal Capacity	20HR(10.8A,1.80V)	216Ah
	10HR(20A,1.80V)	200Ah
	3HR(50A,1.80V)	150Ah
	1HR(110A,1.80V)	110Ah
Internal Resistance	2.5mΩ(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	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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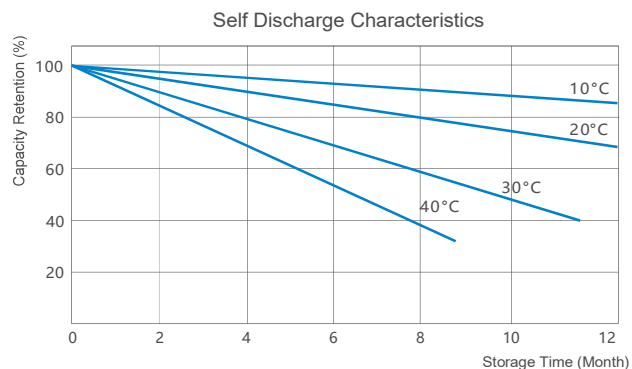
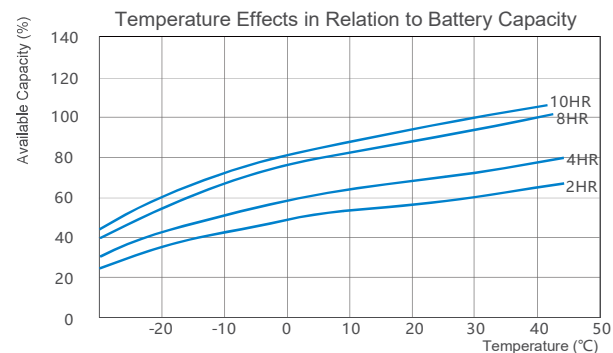
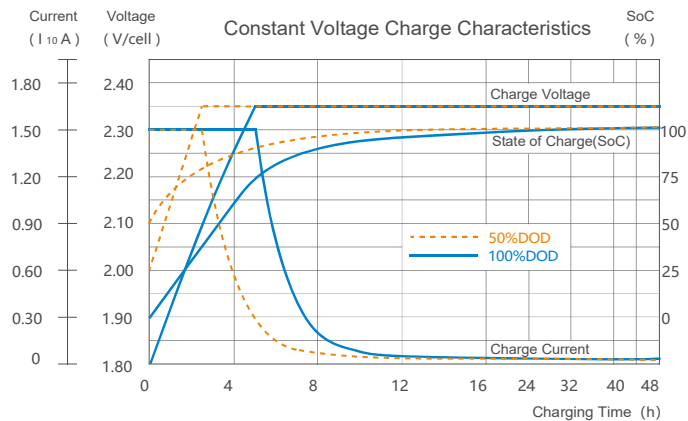
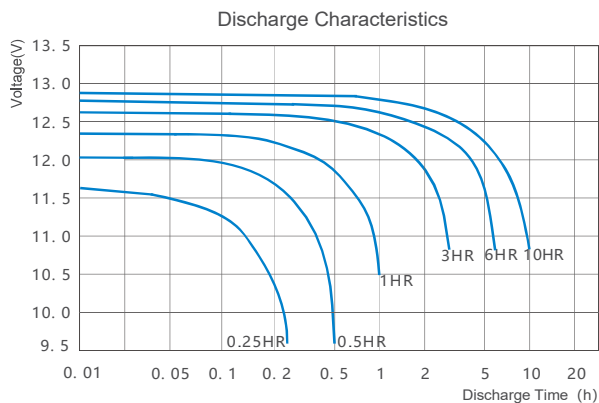
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-700W	1.85	472	373	292	236	185	145	109	66.9	49.5	40.1	33.8	29.7	23.9	19.8
	1.80	543	364	298	249	181	142	112	68.4	50.5	41.0	34.6	30.3	24.4	20.3
	1.75	582	395	318	264	190	149	116	70.0	51.7	41.7	35.4	30.9	24.7	20.6
	1.70	628	424	337	281	199	156	120	71.7	52.8	42.5	36.0	31.4	25.1	20.7
	1.67	661	441	351	291	204	158	123	73.2	53.9	43.5	36.8	32.1	25.5	20.9
	1.60	710	465	367	303	209	163	125	74.7	55.3	44.3	37.6	32.7	25.8	21.1

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
6-GFMHR-700W	1.85	813	667	563	491	392	300	267	148	111	85.2	70.4	61.2	44.4	37.0
	1.80	851	720	623	540	424	319	279	156	114	89.1	73.0	63.5	44.6	38.2
	1.75	955	792	664	571	442	329	285	161	117	89.8	73.7	64.3	46.0	39.0
	1.70	1005	837	694	590	452	334	288	162	119	91.2	74.7	64.9	46.5	39.3
	1.67	1030	858	707	598	455	336	289	162	121	91.5	75.0	65.0	46.6	39.4
	1.60	1076	892	728	608	459	338	290	163	123	91.8	75.3	65.3	46.9	39.5

Performance



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