

6-GFMHR-750W

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

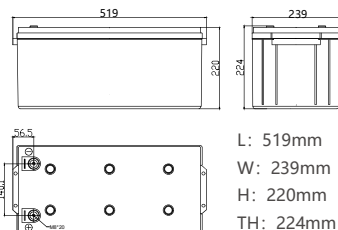
Highlights

- 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-750W	
Design Life	12 years	
Nominal Capacity	20HR(11.3A,1.80V)	227Ah
	10HR(21A,1.80V)	210Ah
	3HR(52.5A,1.80V)	158Ah
	1HR(116A,1.80V)	116Ah
Internal Resistance	2.3mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:31.5A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

6-GFMHR-750W

GFMHR Series VRLA Gel Battery

ALLGRAND®

Power the World



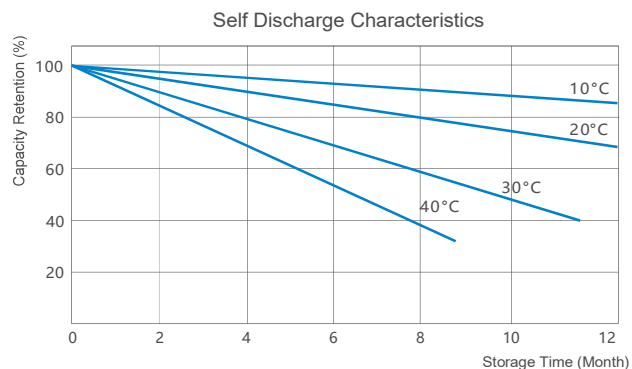
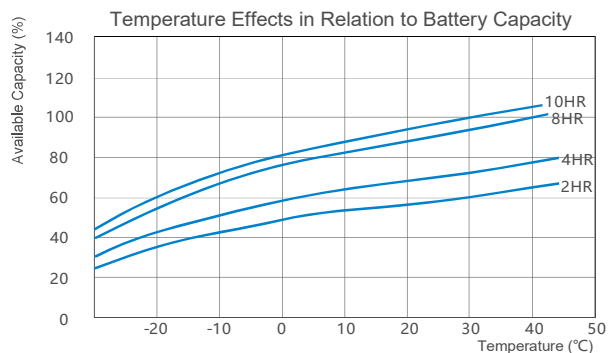
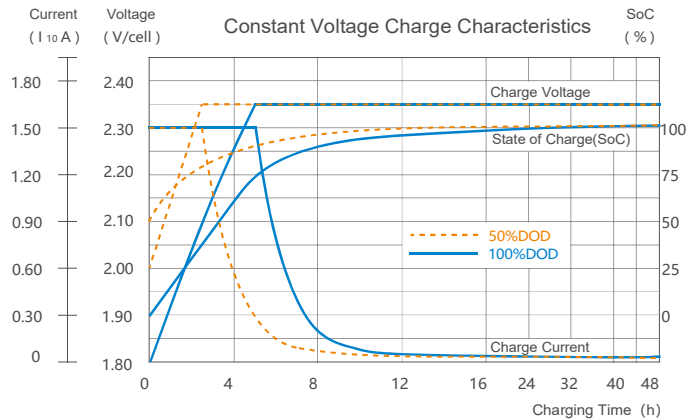
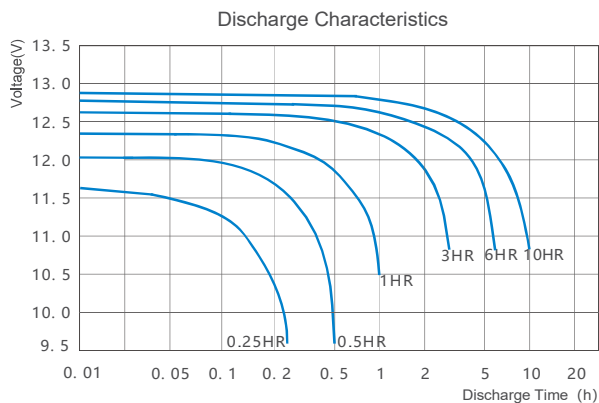
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-750W	1.85	506	400	313	253	199	156	117	71.7	53.1	42.9	36.2	31.8	25.6	21.2
	1.80	582	390	320	267	194	152	120	73.3	54.1	44.0	37.1	32.5	26.1	21.7
	1.75	623	423	340	283	203	160	124	75.0	55.4	44.7	37.9	33.1	26.5	22.1
	1.70	673	454	361	301	213	167	129	76.8	56.6	45.5	38.6	33.7	26.9	22.2
	1.67	708	473	377	312	218	170	132	78.5	57.7	46.6	39.4	34.4	27.3	22.4
	1.60	761	498	394	325	224	174	134	80.0	59.2	47.5	40.3	35.0	27.7	22.6

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-750W	1.85	871	715	604	526	420	321	286	159	111	91.2	75.4	65.5	47.5	39.6
	1.80	912	771	667	579	454	341	299	167	115	95.4	78.2	68.0	47.8	40.9
	1.75	1023	849	712	611	473	353	305	172	117	96.2	79.0	68.9	49.3	41.8
	1.70	1076	897	743	632	484	358	308	173	118	97.8	80.0	69.5	49.9	42.1
	1.67	1104	919	758	640	488	360	309	174	118	98.1	80.3	69.6	50.0	42.2
	1.60	1153	956	780	651	492	363	310	175	119	98.4	80.6	69.9	50.3	42.4

Performance



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