

6-GFMHR-200W

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

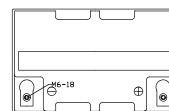
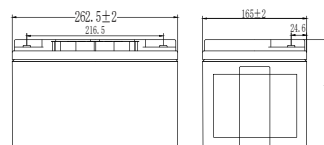
Highlights

- 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: 262.5mm
W: 165mm
H: 169.5mm
TH: 169.5mm

Certifications



Specifications

Model	6-GFMHR-200W	
Design Life	12 years	
Nominal Capacity	20HR(2.97A,1.80V)	59.4Ah
	10HR(5.5A,1.80V)	55Ah
	3HR(13.75A,1.80V)	41.3Ah
	1HR(30.25A,1.80V)	30.25Ah
Internal Resistance	6.5mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:8.25A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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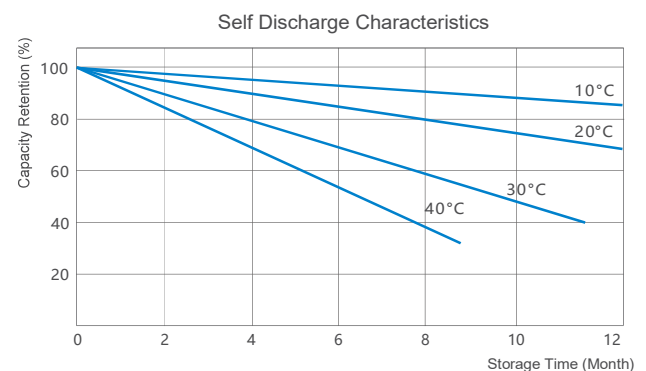
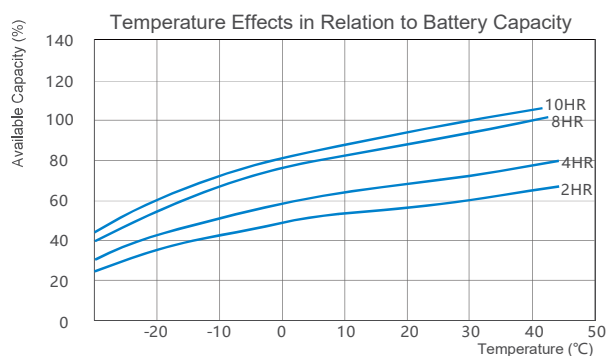
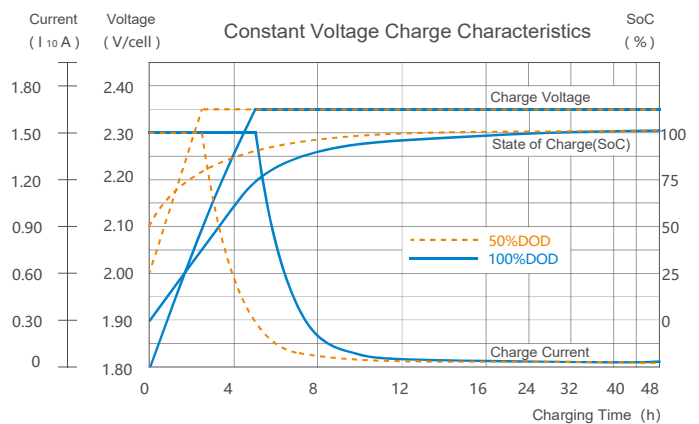
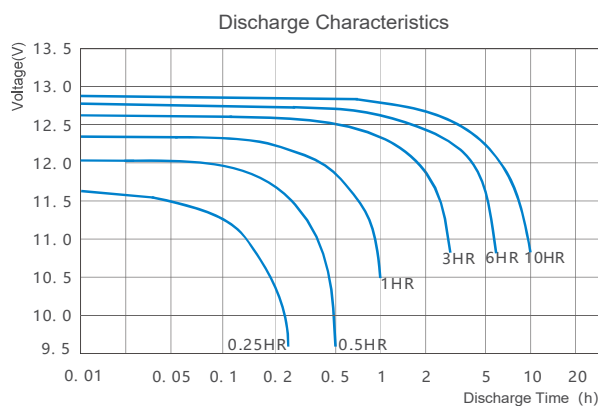
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-200W	1.85	129	101	79.8	63.5	47.7	35.3	28.4	19.8	15.0	11.6	9.89	8.44	6.55	5.78
	1.80	148	119	91.4	72.2	50.5	37.0	30.0	20.2	15.3	11.8	10.0	8.56	6.78	5.89
	1.75	164	129	102	78.9	54.5	41.0	30.7	20.4	15.4	11.9	10.1	8.67	6.89	6.00
	1.70	189	144	113	85.5	57.5	43.7	31.7	20.7	15.7	12.0	10.2	8.78	6.95	6.11
	1.67	195	153	122	91.8	59.2	44.9	33.4	21.2	16.0	12.1	10.4	8.89	7.00	6.22
	1.60	207	165	132	96.5	63.1	47.6	34.5	21.4	16.1	12.4	10.5	8.96	7.05	6.26

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-200W	1.85	256	195	158	134	103	80.3	68.7	44.5	32.1	24.9	21.5	18.5	14.2	11.5
	1.80	294	223	176	148	112	85.6	72.2	46.3	33.6	26.0	21.9	18.9	14.5	11.7
	1.75	318	246	188	158	118	88.3	73.9	47.0	34.2	26.3	22.1	19.0	14.6	12.1
	1.70	332	263	195	162	120	89.4	75.0	47.3	34.5	26.5	22.2	19.1	14.8	12.2
	1.67	349	273	200	165	121	90.0	75.2	47.6	34.6	26.6	22.3	19.2	14.9	12.3
	1.60	357	280	203	166	122	90.5	75.4	47.7	34.7	26.7	22.4	19.3	15.0	12.4

Performance



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