

6-GFMHR-400W

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

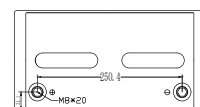
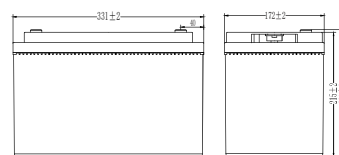
Highlights

- 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: 331mm
W: 172mm
H: 215mm
TH: 220mm

Certifications



Specifications

Model	6-GFMHR-400W	
Design Life	12 years	
Nominal Capacity	20HR(5.4A,1.80V)	108Ah
	10HR(10A,1.80V)	100Ah
	3HR(25A,1.80V)	75Ah
	1HR(55A,1.80V)	55Ah
Internal Resistance	3.5mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:15A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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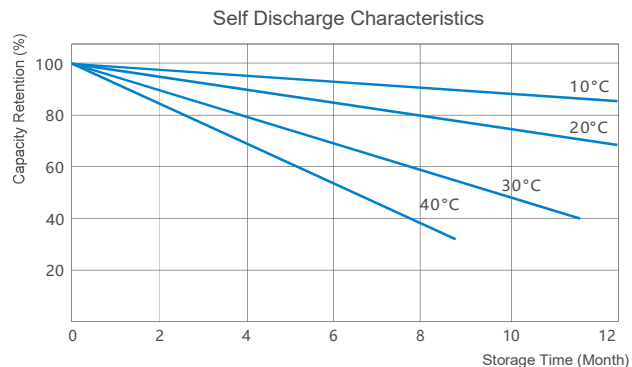
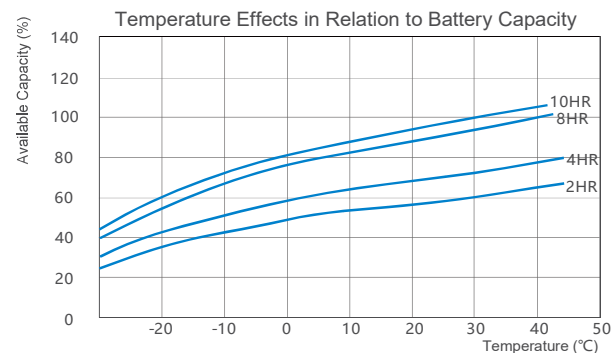
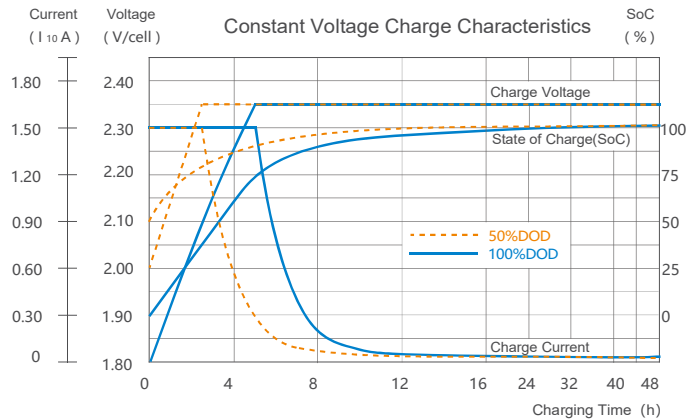
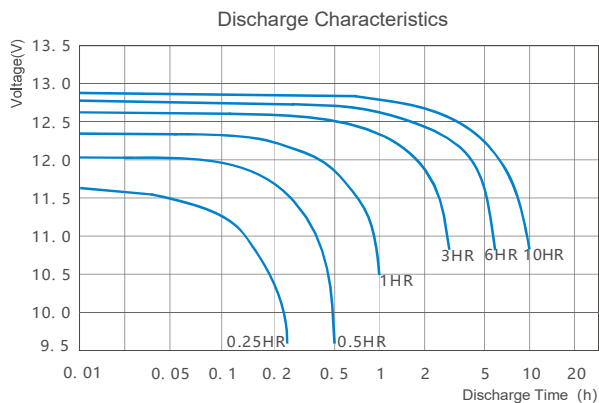
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-400W	1.85	273	222	171	142	100	73.6	54.5	33.5	24.8	20.0	16.9	14.9	12.0	9.90
	1.80	321	252	192	155	106	77.0	56.1	34.2	25.3	20.5	17.3	15.2	12.2	10.1
	1.75	363	271	207	167	114	82.6	58.1	34.9	25.9	20.9	17.7	15.4	12.4	10.3
	1.70	388	288	221	178	120	87.4	59.9	35.9	26.4	21.2	18.0	15.7	12.6	10.4
	1.67	393	295	226	182	123	89.5	61.4	36.7	26.9	21.7	18.4	16.1	12.7	10.5
	1.60	404	307	236	190	127	93.0	63.9	37.3	27.6	22.2	18.8	16.3	12.9	10.6

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-400W	1.85	481	385	337	283	211	155	121	74.0	55.9	42.9	35.9	31.4	24.5	19.7
	1.80	555	424	364	303	222	161	124	76.7	57.9	44.1	36.8	32.1	25.0	20.0
	1.75	587	447	381	317	232	168	128	78.4	58.8	44.9	37.4	32.6	25.4	20.4
	1.70	617	465	397	328	241	169	132	79.7	60.0	45.7	37.5	33.0	25.8	20.7
	1.67	639	490	402	336	249	178	135	81.3	61.2	46.4	37.7	33.5	26.1	21.0
	1.60	667	514	417	348	256	181	137	82.7	62.3	46.7	37.8	34.0	26.2	21.1

Performance



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