

6-GFMHR-500W

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

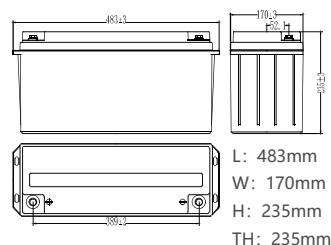
Highlights

- 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



Certifications



Specifications

Model	6-GFMHR-500W	
Design Life	12 years	
Nominal Capacity	20HR(7.02A,1.80V)	140Ah
	10HR(13A,1.80V)	130Ah
	3HR(32.5A,1.80V)	97.9Ah
	1HR(71.5A,1.80V)	71.5Ah
Internal Resistance	3.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:19.5A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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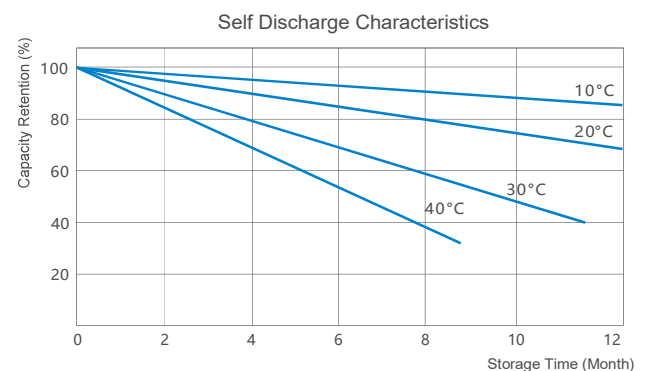
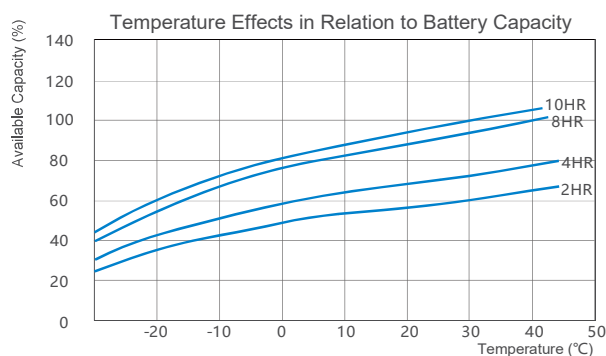
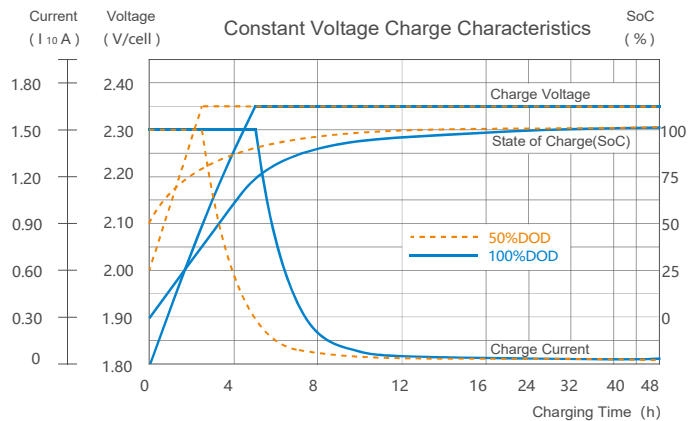
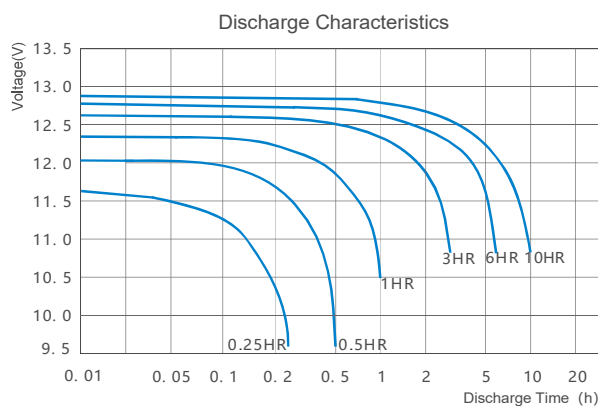
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-500W	1.85	320	251	200	168	126	93.3	70.9	43.5	32.2	26.0	22.0	19.3	15.5	12.9
	1.80	378	288	232	188	130	97.4	72.9	44.5	32.8	26.7	22.5	19.7	15.8	13.2
	1.75	420	317	250	202	138	102	75.5	45.4	33.6	27.1	23.0	20.1	16.1	13.4
	1.70	454	341	265	212	143	105	77.9	46.7	34.3	27.6	23.4	20.4	16.3	13.5
	1.67	475	351	272	217	146	108	79.8	47.6	35.0	28.2	23.9	20.9	16.6	13.6
	1.60	495	369	283	224	151	111	81.6	48.6	35.9	28.8	24.5	21.2	16.8	13.7

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-500W	1.85	523	444	394	344	277	217	175	115	77.2	59.1	50.1	43.4	33.3	26.3
	1.80	614	486	432	377	301	234	185	119	79.9	60.7	51.4	44.7	33.9	27.1
	1.75	659	520	460	401	317	244	191	120	80.9	61.2	51.9	45.2	34.2	27.4
	1.70	708	572	482	414	326	250	194	121	81.9	61.8	52.2	45.4	34.3	27.6
	1.67	745	605	503	429	333	253	196	122	82.4	62.0	52.4	45.6	34.4	27.8
	1.60	771	635	524	442	339	255	197	124	82.7	62.2	52.6	45.7	34.5	27.9

Performance



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