

6-GFMHR-600W

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

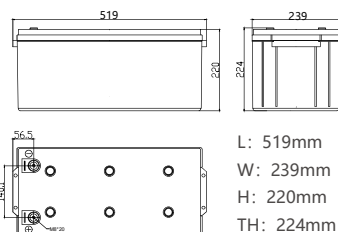
Highlights

- 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-600W	
Design Life	12 years	
Nominal Capacity	20HR(8.64A,1.80V)	173Ah
	10HR(16A,1.80V)	160Ah
	3HR(40A,1.80V)	120Ah
	1HR(88A,1.80V)	88Ah
Internal Resistance	3.0mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:24A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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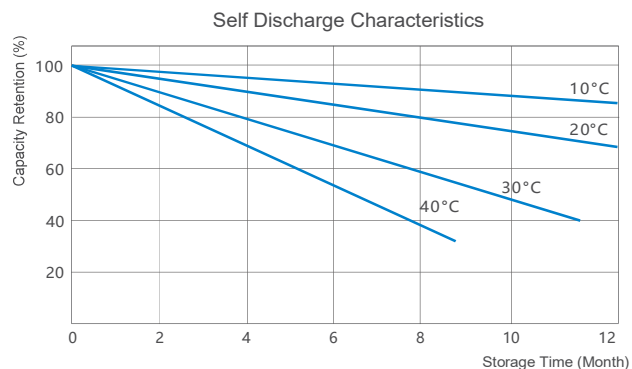
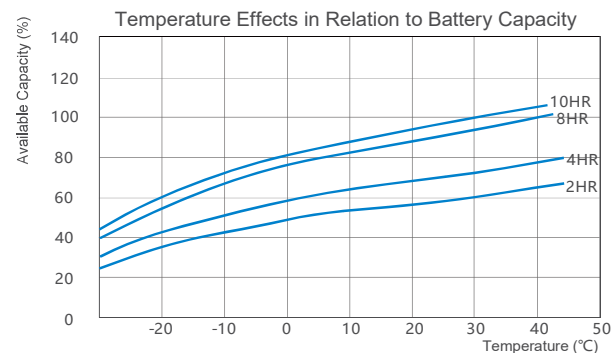
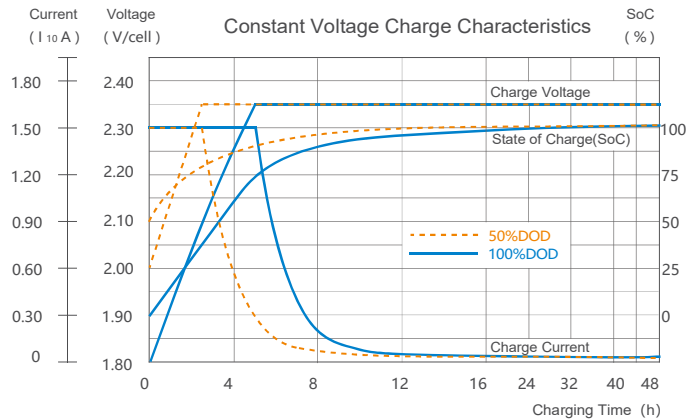
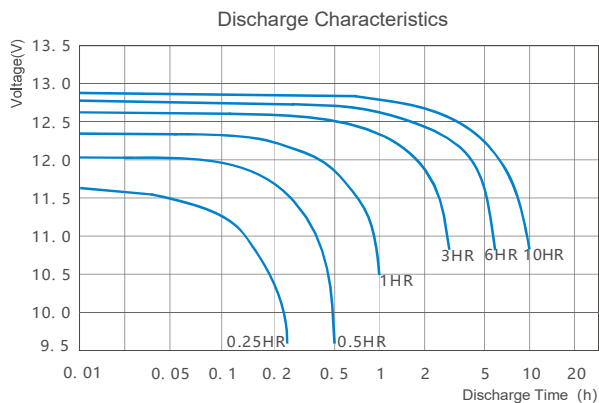
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-600W	1.85	378	298	234	189	148	116	87.3	53.5	39.6	32.1	27.0	23.8	19.1	15.9
	1.80	434	291	239	199	145	114	89.7	54.7	40.4	32.8	27.7	24.2	19.5	16.2
	1.75	465	316	254	211	152	119	92.9	56.0	41.4	33.4	28.3	24.7	19.8	16.5
	1.70	503	339	270	225	159	124	96.2	57.4	42.3	34.0	28.8	25.2	20.1	16.6
	1.67	529	353	281	233	163	127	98.6	58.6	43.1	34.8	29.4	25.7	20.4	16.9
	1.60	568	372	294	243	167	130	100	59.7	44.2	35.5	30.1	26.1	20.7	17.1

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-600W	1.85	620	531	471	414	335	263	206	135	93.3	70.7	59.4	52.3	39.4	31.5
	1.80	728	580	515	453	364	283	218	140	96.6	72.6	61.0	53.9	40.1	32.3
	1.75	782	621	550	482	385	295	225	142	97.7	73.3	61.5	54.5	40.5	32.8
	1.70	840	683	576	498	395	303	229	143	99.0	73.9	61.9	54.8	40.6	33.0
	1.67	883	722	601	516	403	307	231	144	99.6	74.2	62.1	55.1	40.7	33.2
	1.60	914	758	626	532	410	309	232	145	99.9	74.5	62.3	55.2	40.8	33.3

Performance



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