

6-GFMHR-150W

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

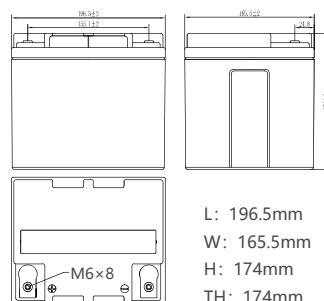
Highlights

- ▣ 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-150W	
Design Life	12 years	
Nominal Capacity	20HR(2.15A,1.80V)	43Ah
	10HR(4.0A,1.80V)	40Ah
	3HR(10.8A,1.80V)	30Ah
	1HR(22A,1.80V)	22Ah
Internal Resistance	9.2mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:6A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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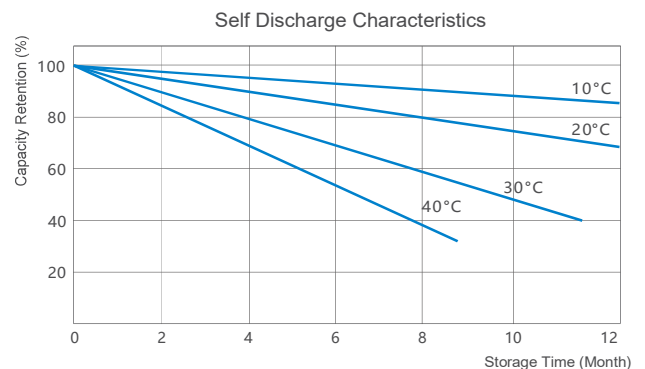
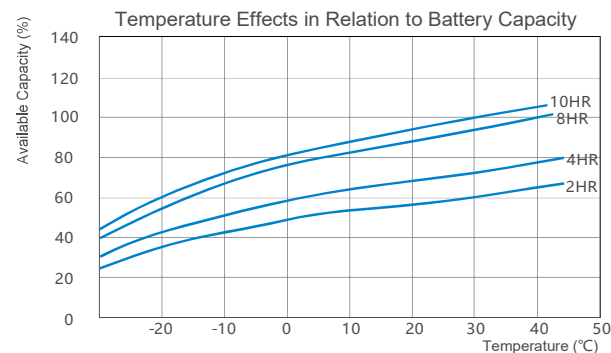
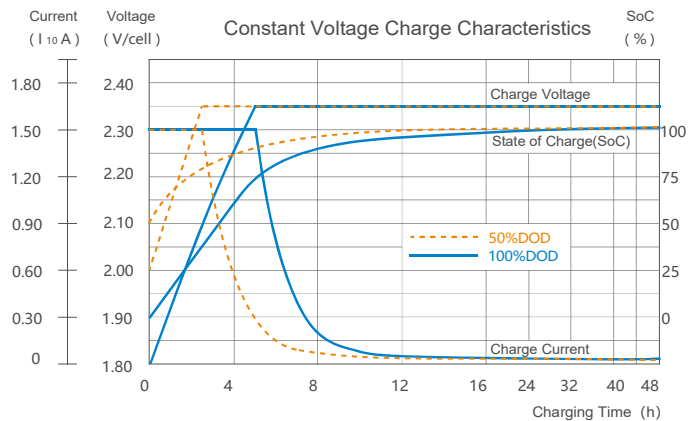
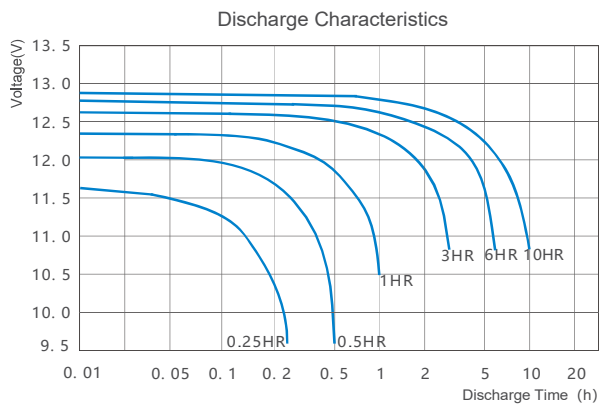
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-150W	1.85	96.3	73.3	60.2	51.2	36.7	29.6	22.0	13.6	10.4	8.04	6.79	5.89	4.66	3.98
	1.80	114	89.3	66.5	55.2	39.8	31.0	22.9	13.9	10.6	8.23	6.95	6.01	4.75	4.13
	1.75	128	103	77.9	60.1	43.7	35.0	23.7	14.1	10.7	8.33	7.03	6.06	4.85	4.19
	1.70	138	113	87.3	63.8	45.9	36.7	24.3	14.3	10.9	8.51	7.21	6.22	4.93	4.31
	1.67	142	116	90.9	66.8	46.2	36.9	24.8	14.6	11.3	8.79	7.40	6.34	5.01	4.37
	1.60	151	127	96.9	70.2	48.2	38.1	25.3	14.9	11.5	9.00	7.60	6.47	5.09	4.40

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-150W	1.85	192	147	119	101	77.9	59.5	50.4	32.7	23.4	18.3	15.6	13.4	10.3	8.34
	1.80	221	168	133	112	84.8	63.4	53.0	34.0	24.4	19.1	15.9	13.8	10.6	8.50
	1.75	239	185	142	120	88.9	65.5	54.3	34.5	24.9	19.3	16.0	13.8	10.6	8.82
	1.70	249	198	147	122	90.7	66.2	55.1	34.8	25.1	19.4	16.1	13.9	10.7	8.88
	1.67	262	205	151	124	91.8	66.7	55.2	34.9	25.2	19.5	16.2	14.0	10.8	8.92
	1.60	268	211	153	126	92.4	67.1	55.4	35.0	25.3	19.6	16.3	14.1	10.9	9.03

Performance



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