

6-GFMHR-300W

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

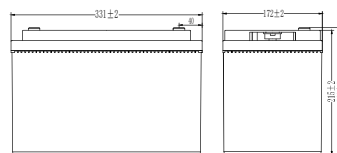
Highlights

- ▣ 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-300W	
Design Life	12 years	
Nominal Capacity	20HR(4.32A,1.80V)	86.4Ah
	10HR(8.0A,1.80V)	80Ah
	3HR(20A,1.80V)	60Ah
	1HR(44A,1.80V)	44Ah
Internal Resistance	4.8mΩ(Full Charge)	
Self Discharge	≤3% per month	
Charge Voltage	Cycle Use	Standby Use
	2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:12A	2.23-2.27V/Cell (-3mV/°C/Cell)

Note: Data contained herein are measured at 25°C

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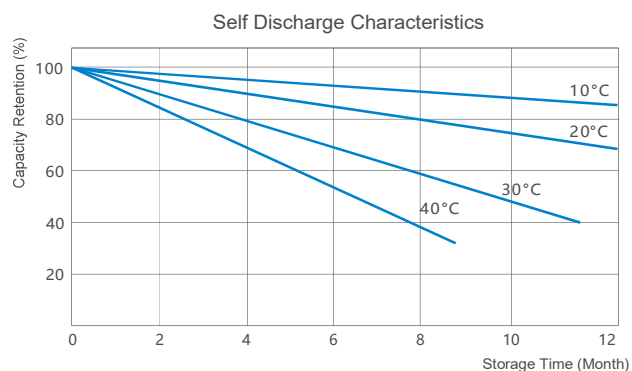
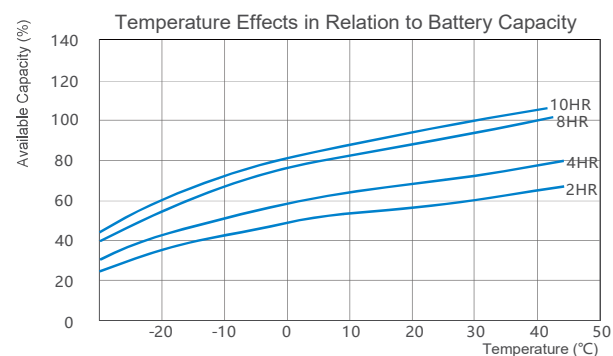
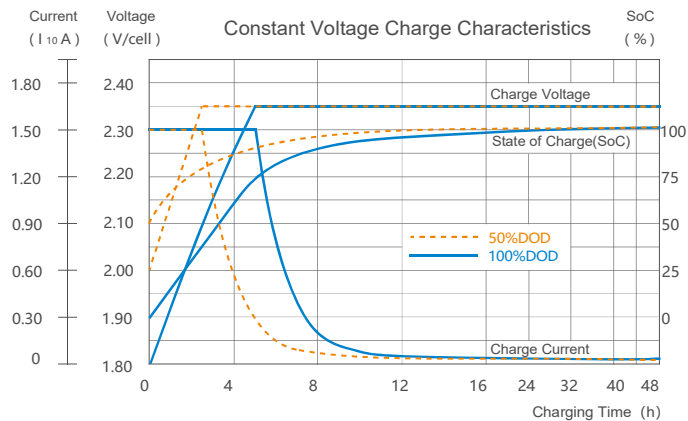
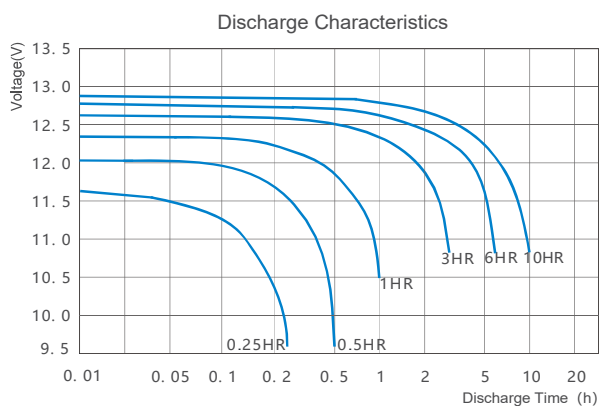
Constant Current Discharge Rate (A, 25°C)

Model	F.V. (V/Cell)	Minute						Hour							
		5	10	15	20	30	45	1	2	3	4	5	6	8	10
6-GFMHR-300W	1.85	174	139	112	94.1	68.4	50.9	41.1	28.8	21.7	16.8	14.4	12.2	9.56	7.92
	1.80	204	161	128	102	72.5	53.9	43.6	29.4	22.3	17.2	14.5	12.5	9.80	8.08
	1.75	232	185	145	114	79.3	59.5	44.5	29.7	22.5	17.4	14.7	12.6	10.0	8.20
	1.70	258	206	160	125	85.1	64.3	46.6	30.1	22.8	17.5	14.8	12.7	10.1	8.30
	1.67	268	215	166	130	87.7	66.4	48.6	30.9	23.3	17.7	15.2	12.9	10.2	8.36
	1.60	281	230	177	138	92.0	69.9	50.1	31.1	23.4	17.8	15.3	13.1	10.3	8.42

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-300W	1.85	404	294	240	205	157	107	83.5	58.6	44.7	34.4	28.7	25.1	19.8	16.0
	1.80	420	329	263	224	168	112	87.3	59.3	45.1	35.2	29.2	25.3	20.2	16.2
	1.75	450	345	278	235	176	116	88.2	59.7	45.5	35.5	29.4	25.6	20.5	16.5
	1.70	468	364	291	246	184	119	89.8	60.3	45.9	35.9	29.5	25.9	20.8	16.7
	1.67	484	383	302	250	188	123	91.4	61.5	46.7	36.4	29.5	26.3	21.1	17.0
	1.60	505	402	312	253	189	127	93.5	62.6	47.6	36.6	29.7	26.7	21.2	17.1

Performance



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