

High rate- GFMHR Series



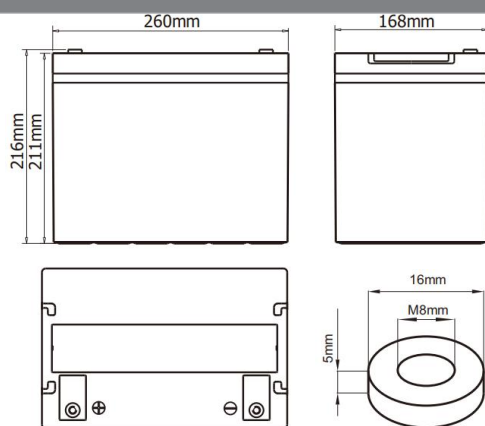
6-GFMHR-300W (12V75Ah)



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	75Ah(1.8V/cell@25°C)
Nominal Rate(W15,1.67V/cell)	300W/cell
Dimensions	260*168*211/216(mm)
Approx .Weight	25.8kg ±3%
Internal Resistance	Approx.3.95mΩ@25°C
Terminal	Φ16* M8
Operating Temperature Range	Discharge: -15~50°C(5~122°F)
	Charge: -20~40°C(-4~104°F)
	Storage: -15~40°C(5~104°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)
Max. Charging Current	17.5A @25°C
Charging voltage(25°C)	Float: 2 .23V ~2 .27V/cell
	Temp.Coefficient: -3mV/°C
	Equalization: 2 .35V ~2 .40V/cell
	Temp.Coefficient: -4mV/°C
	Cycle: 2 .35V ~2 .40V/cell
Effect of temperature to rated Capacity(C10)	Temp.Coefficient: -5mV/°C
	40°C (104°F) 105%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	≤3%/month@ 25°C
Casing material	ABS(UL94 HB or V-0 optional)

Layout



Constant Current Discharge*(Amperes @25°C/77° F)

F.V/TIME	10min	15min	30min	1h	2h	3h	4h	6h	10h
1.60V/cell	224	162	93.1	53.4	29.6	20.8	16.1	11.3	7.83
1.67V/cell	218	158	92.1	53.2	29.4	20.6	16.0	11.2	7.72
1.70V/cell	213	156	91.1	53.1	29.3	20.5	15.9	11.1	7.61
1.75V/cell	204	150	90.2	52.6	29.1	20.3	15.8	11.0	7.56
1.80V/cell	188	141	87.2	51.5	28.6	20.0	15.5	10.8	7.50

Constant Power Discharge*(Watts/cell @25°C/77° F)

F.V/TIME	10min	15min	20min	30min	40min	50min	1h	2h
1.60V/cell	399	305	241	175	142	120	103	57.4
1.67V/cell	387	300	238	174	141	119	102	57.0
1.70V/cell	379	290	236	173	140	118	101	56.9
1.75V/cell	362	280	229	171	139	117	100	56.5
1.80V/cell	335	264	219	164	135	114	98.0	56.0



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General Features

- 12 years design life(25°C)
- High strength glass fiber technology
- Good safety performance
- Long service life
- High battery consistency

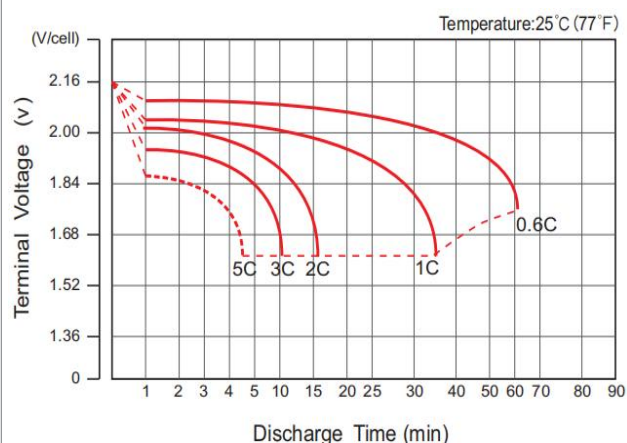
Applications

- UPS、Data center
- Energy Storage、Electric Systems
- Emergency Lighting、Security
- Broadcast and television system
- Banking and financial markets

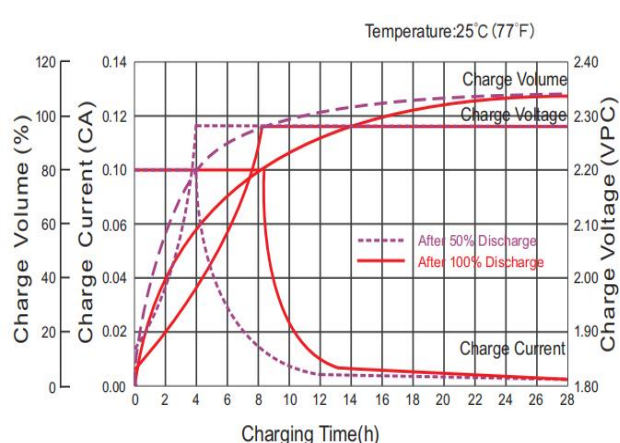
Standards

- Compliant with IEC60896, IEC61427, GB/T19638,YD/T1360-2015,YD/T799, DL/T637, YD/T3427-2018;
- Certified for TLC, CE, RoHS and Reach compliance
- The company Aokly is certified under TS16949,OHSAS18001,SA8000, ISO9001, ISO14001,ISO45001 and ISO50001 management systems

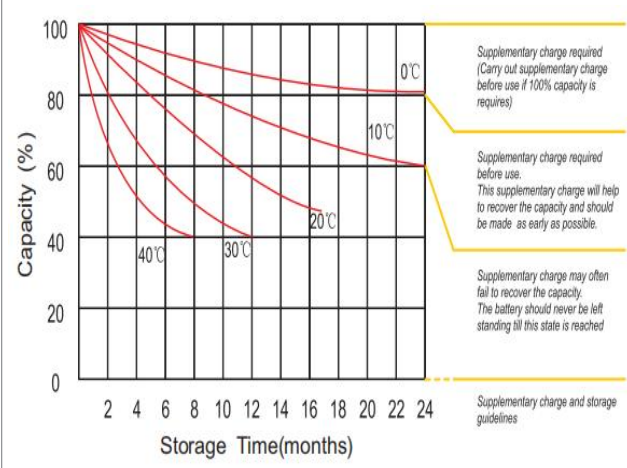
Discharge Characteristics



Charging Characteristics



Storage Characteristics



Life Characteristics Of Standby Use

