

# 6-GFM Series

## 6-GFM-26



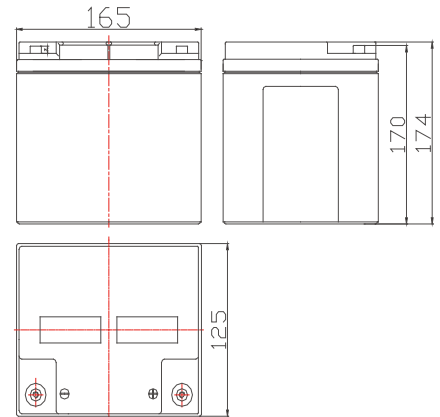
### Main Applications

- ▶ Backup power for telecom and signal system
- ▶ Military field, railway system, power system
- ▶ UPS & emergency lighting system
- ▶ Fire alarm and security system

### Benefits

- ▶ 10 years design life
- ▶ Safely and reliably sealed
- ▶ High energy density, low internal resistance and low discharge rate
- ▶ Excellent charging acceptability and high sealed reaction efficiency

### Dimensions :



### Technical Parameters

Normal Voltage	12V
Capacity	26 Ah @ 10hr to 1.80V per cell @ 25 °C (77 °F)
Weight	Approx. 9kg (19.8 lbs)
Dimensions	Length: 165mm Width: 125mm Height: 170mm Total Height: 174mm
Internal Resistance (full charged)	Approx. 11.3mΩ@ 25 °C (77 °F)
Maximum Discharge Current	148A (5sec)
Self Discharge @ 25 °C (77 °F)	Less than 8 % after 90 days storage
Operating Temperature Range	Discharge: -40 °C ~ 50 °C (-40 °F ~ 122 °F) Charge: -20 °C ~ 45 °C (-4 °F ~ 113 °F) Storage: -20 °C ~ 40 °C (-4 °F ~ 104 °F)
Recommended Operating Temperature	15 °C ~ 25 °C (59 °F ~ 77 °F)
Maximum Charging Current Limited	5.2A
Charging Voltage @25°C(77°F)	Float: 2.25 V/cell, Temps coefficient -3 mV/°C Equalize: 2.35 V/cell
Terminal	M6
Container Materials	ABS/ABS V0 (Optional)
Capacity Affected by Temperature	105 % @ 40 °C 85 % @ 0 °C 60 % @ -20 °C
Design Life @25°C(77°F)	10 years

### Attain Certificate :

- ISO 9001
- ISO 14001
- GB/T 28001
- UL
- CE

### Technical Features

- ▶ Adopt high strength ABS plastic, compact structure for battery container and valve, good impact resistance, and shock resistant performance
- ▶ Adopt multi-element alloy grids, low internal resistance, good corrosion resistance ability and charging acceptability.
- ▶ New production process for plate, improve the utilization of active material
- ▶ High-purity electrolyte and special additives, low self-discharge
- ▶ Multi-layer seal technology and special seal glue, no leakage and no acid mist escape, safe and reliable

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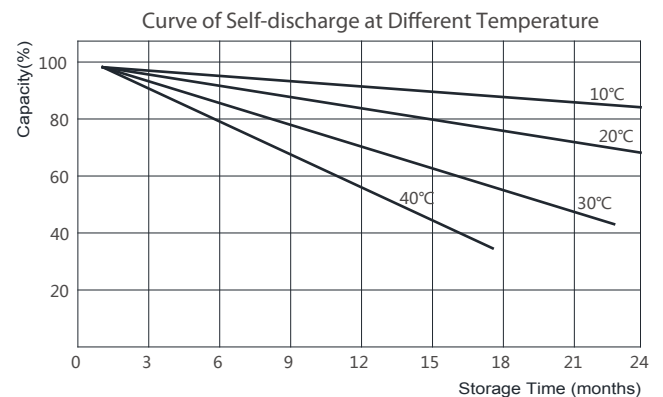
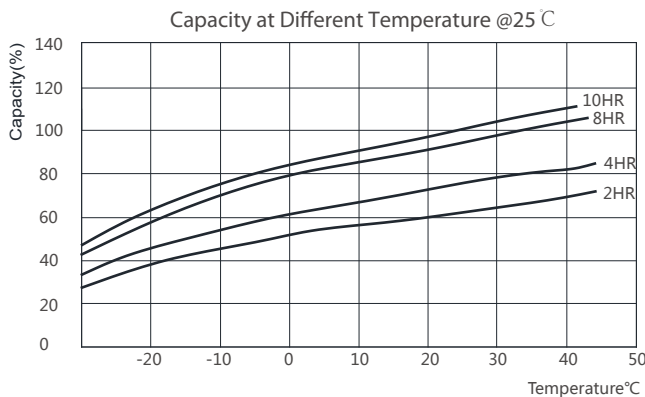
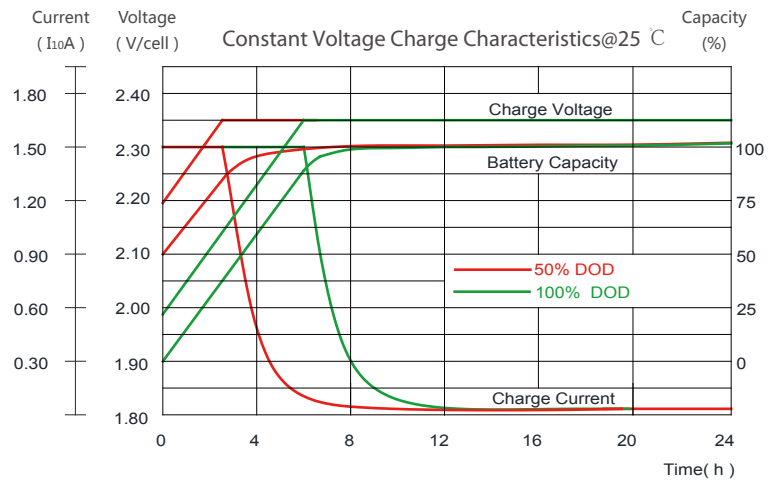
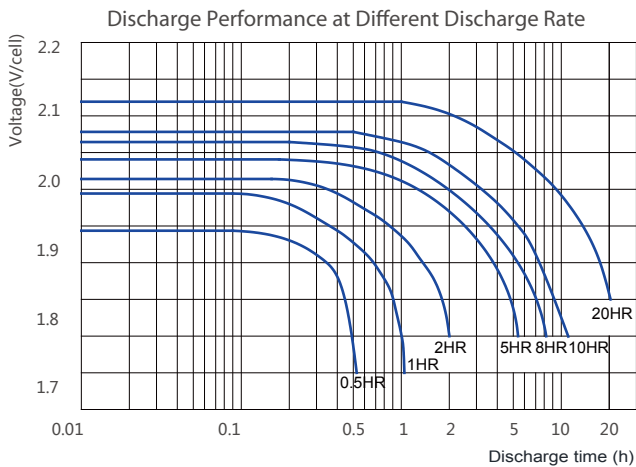
## Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1hr	1.5hr	2hr	2.5hr	3hr	10hr
1.60V/cell	85.5	63.0	49.1	31.2	19.3	12.5	9.88	8.28	7.26	3.0
1.67V/cell	84.1	61.3	48.1	30.1	18.7	12.3	9.78	8.16	7.18	2.9
1.70V/cell	77.1	60.3	46.9	28.8	18.2	11.8	9.42	7.92	7.10	2.8
1.75V/cell	74.5	53.7	43.3	25.1	16.8	11.5	9.32	7.85	7.01	2.7
1.80V/cell	69.6	47.8	40.0	22.2	15.6	11.4	9.22	7.72	6.87	2.6
1.85V/cell	59.5	41.7	34.9	19.8	14.0	10.9	9.08	7.60	6.74	2.5

## Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1hr	1.5hr	2hr	2.5hr	3hr	10hr
1.60V/cell	144.9	108.9	83.4	53.1	32.8	23.4	18.6	16.3	14.1	5.8
1.67V/cell	146.8	108.0	83.2	52.3	32.6	23.1	18.5	16.2	13.9	5.6
1.70V/cell	136.6	107.1	83.0	51.0	32.2	22.6	18.3	16.1	13.8	5.4
1.75V/cell	134.8	96.9	78.4	45.4	30.4	22.3	18.0	15.8	13.6	5.2
1.80V/cell	128.3	88.4	73.9	41.0	28.9	22.1	17.8	15.7	13.5	5.1
1.85V/cell	113.5	79.3	66.3	37.8	26.7	21.2	17.5	15.4	13.3	5.0

## Performance Curve:



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