6-GFM-26G(12V26Ah)

Introduction

GFM series are made of Lead paste suitable for big current discharging, special alloy of high corrosion resistance. They are disposed of unique designed disgassing structure and sealing technology.GFM series are featured with high rate current discharge,high reliability,low self-discharge,flexible installation and easy maintenance.

Battery Features

- 12 years floating design life
- Excellent consistency
- High reliability
- Low self -discharge
- Good recovery from deep discharge

Electrical Specification

Design floating Life @ 20°C (68°F) …… …..…… 12 years

Nominal Capacity @ 25°C /77°F

10 hour rate 2.46 A to 1.80Vpc …… ……. 26 Ah

5 hour rate 4.20 A to 1.75Vpc …….. …….. 21.0Ah

1 hour rate 15.6 A to 1.60Vpc ……..…… . 15.6Ah

Internal Resistance

(Fully charged battery @ 25°C /77°F) …….13 mΩ

Max. Discharge Current @ 25°C /77°F ……300A (5S)

Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use …… 14.4 ~ 15.0V

Max. Current ……..7.2A

Standby Use …… ..... ……..... 13.5V - 13.8V

Operating Temperature Range

Discharge …….... …… .. …… .. -20 ~ 55°C

Charge …… .. 0 ~ 40°C

Storage …….... …… .. …… .. -20 ~ 55°C

Recommended Operating Temp ……..…..... 20 ~ 25°C

Self-Discharge

The capacity declines by 3% per month@ 20°C (68°F). The batteries can be stored up to 6 months @ 25°C (77°F) and then a freshening charge is required. The interval under higher temperature would be shorter.

Typical Applications

UPS

Telecom

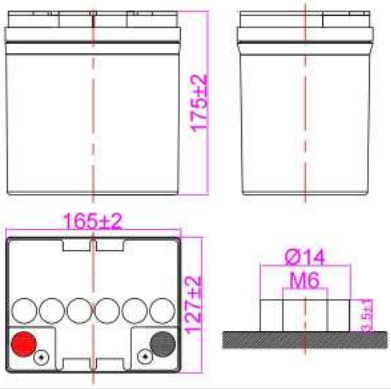
Electric system

Certificates

Battery Picture



Dimensions



Dimension and Weight

Dimension				Weight	Terminal
Length	Width	Height	Total Height	(± 3%)	
165 mm	127mm	175 mm	175 mm	8.1kg	F4
6.50 inch	5.00 inch	6.89 inch	6.89 inch	17.9lbs	

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60V	44.4	28.3	15.6	6.12	4.28	2.44	1.28
1.65V	43.3	27.8	15.4	6.08	4.26	2.44	1.28
1.70V	41.7	26.9	15.0	6.04	4.23	2.43	1.28
1.75V	40.3	26.3	14.7	6.00	4.20	2.42	1.27
1.80V	38.2	25.3	14.2	5.82	4.07	2.40	1.26

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

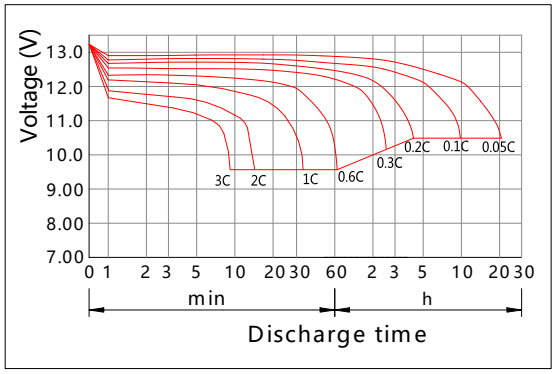
V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60V	488	318	178	72.0	50.6	29.2	15.4
1.65V	476	311	175	71.5	50.3	29.1	15.4
1.70V	458	302	171	71.1	50.0	29.0	15.3
1.75V	443	295	167	70.6	49.6	28.9	15.2
1.80V	419	284	162	68.4	48.2	28.7	15.1

*The mentioned data are derived from of sample test result, for reference only.

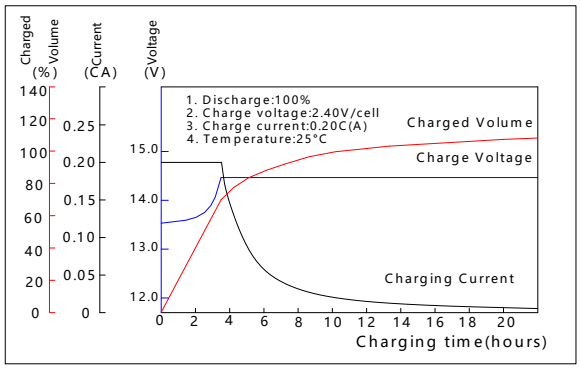
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Graphs

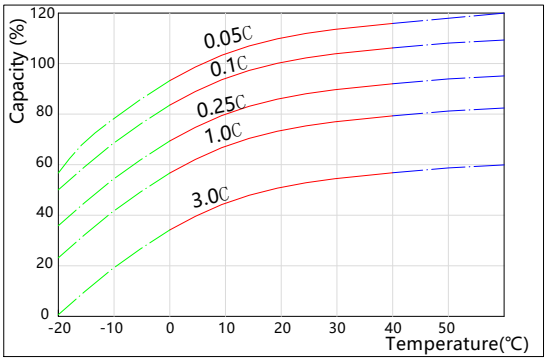
Discharge Characteristics(25℃)



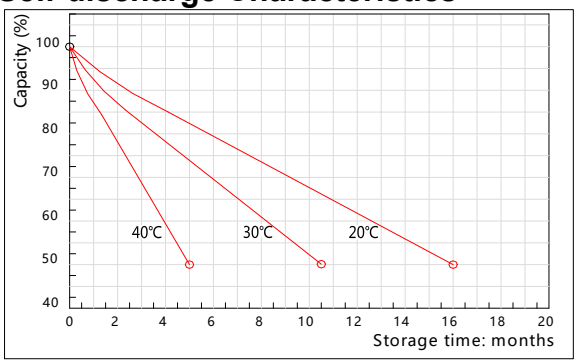
Charging Characteristics(25℃)



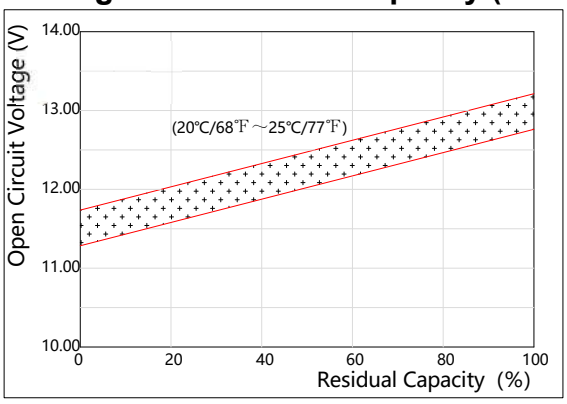
Effect of Temperature on Capacity



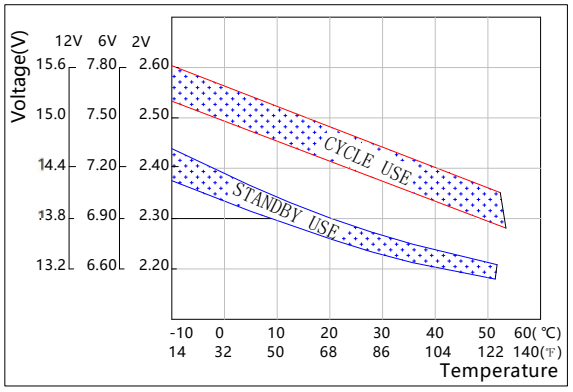
Self-discharge Characteristics



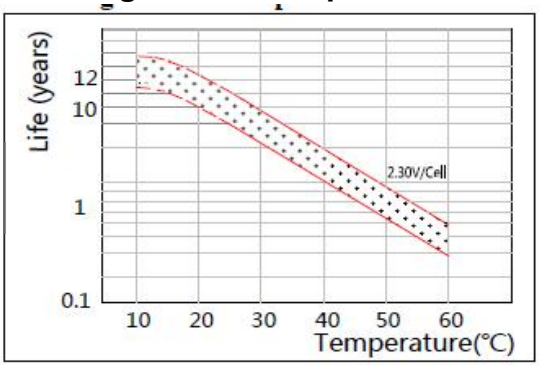
The Relationship between Open Circuit Voltage and Residual Capacity (25℃)



The Relationship between Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25℃)

