

6-GFM series products is a high-capacity battery of new model. With easy usage and maintenance, it is intended for service in telecom system, UPS, and security system, etal. The designed float charge life could arrive 10 years above.

Normal Voltage	12V
Capacity	38 Ah @ 10hr to 1.80V per cell @ 25°C(77°F)
Weight	Approx. 14kg (30.8 lbs)
Internal Resistance (full charged)	Approx. 8.0mΩ @ 25°C(77°F)
Maximum Discharge Current	235A (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	7.6A
Charging Voltage @ 25°C(77°F)	Float: 2.25 V/cell, Temps coefficient -3 mV/°C Cycle: 2.35 V/cell
Contain Materials	ABS
Terminal	M6 and HPb59- T ₁
Capacity Affected by Temperature	105 % @ 40°C 85 % @ 0°C 60 % @ -20°C

Attain certificate:

ISO9001(03006Q10084R1M)
ISO14001(03004E1009R0M)
ISO18001(03004E1009R0M)
Underwriters Laboratories
Inc.(MH28466)
Russia telecom

conforms to Standard:

GB/T 19638.2-2005
YD/T799-2002
JISC8704-2:1999
IEC60896-2,2004

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

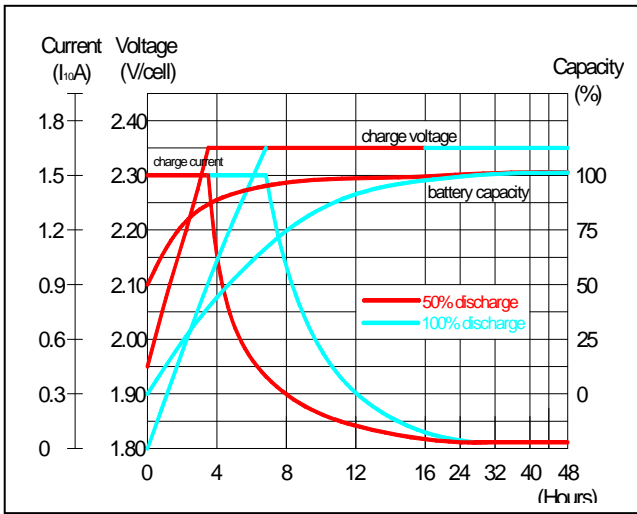
F.V/Time	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr
1.90V/cell	36.4	28.3	18.0	12.8	10.0	7.8	6.7	5.6	4.4	3.8
1.85V/cell	44.0	32.1	19.1	13.5	10.3	7.9	6.8	5.8	4.5	3.9
1.80V/cell	51.2	34.8	20.5	13.8	10.5	8.1	6.9	5.9	4.6	4.0
1.75V/cell	55.2	36.7	21.0	14.0	10.6	8.2	6.9	6.0	4.7	4.1
1.70V/cell	58.2	38.9	21.7	14.2	10.8	8.2	7.0	6.0	4.8	4.2
1.65V/cell	60.9	40.3	22.3	14.5	11.0	8.3	7.1	6.1	4.9	4.3

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

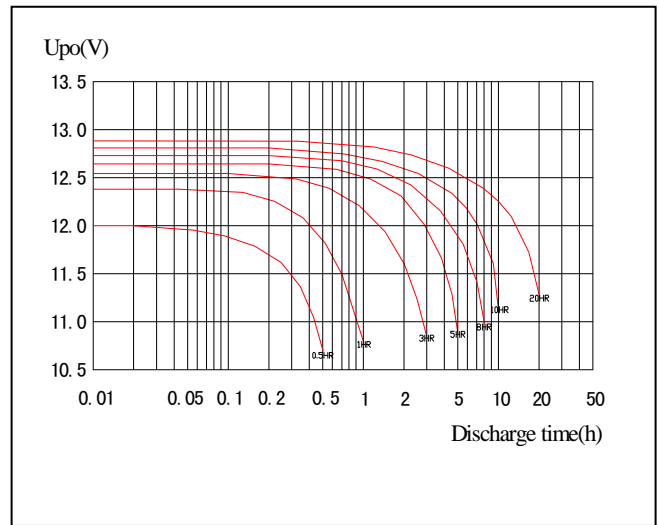
F.V/Time	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr
1.90V/cell	69.9	54.7	35.4	25.3	20.0	15.7	13.5	11.2	8.8	7.7
1.85V/cell	82.8	61.1	36.9	26.5	20.4	15.8	13.6	11.7	8.9	7.9
1.80V/cell	94.8	64.6	39.1	26.8	20.6	16.0	13.7	11.8	9.2	8.0
1.75V/cell	100.5	67.5	39.5	27.0	20.7	16.2	13.8	11.9	9.4	8.1
1.70V/cell	103.4	70.5	40.2	27.1	21.0	16.3	13.9	12.0	9.5	8.4
1.65V/cell	104.9	72.1	40.9	27.6	21.3	16.4	14.2	12.0	9.8	8.6

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.

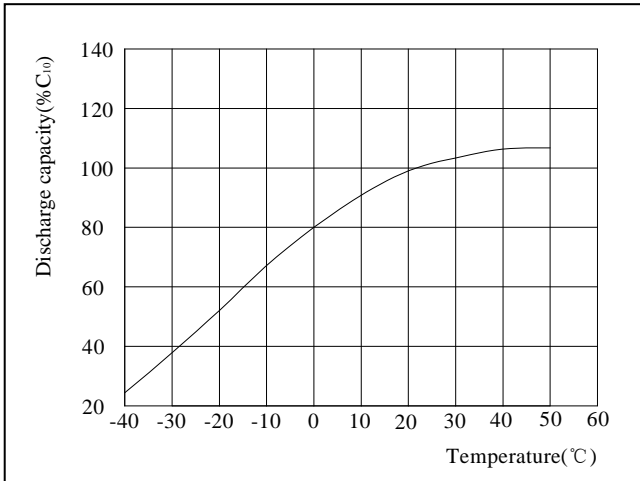
Constant Voltage Charge Characteristics



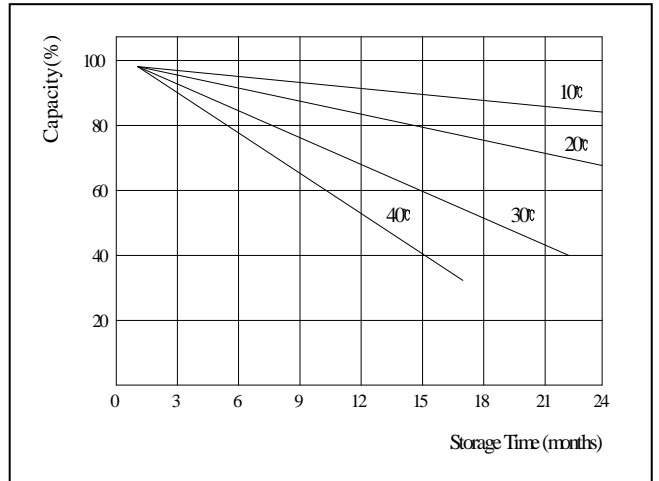
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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