

Valve-regulated Lead Acid Batteries GFM series are widely utilized as standby power supply for communication and signal systems such as telecommunication, mobile station, railway and vessels etc., for the energy storage system of solar and wind power generation, and for the backup power supply of UPS and emergency illumination. Their designed life for standby usage is 15 years

Normal Voltage	2V
Capacity	1000 Ah @ 10hr to 1.80V per cell @ 25°C(77°F)
Weight	Approx. 61 kg (134.2 lbs)
Internal Resistance (full charged)	Approx. 0.36m Ω @ 25°C(77°F)
Maximum Discharge Current	6200A (5sec)
Self Discharge @ 25°C (77°F)	No more than 3 % after 30 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	100A
Charging Voltage @ 25°C(77°F)	Float: 2.23 V, Temps coefficient -3 mV/°C Cycle: 2.30 V
Contain Materials	ABS
Terminal	M8 and HPb59-1
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 the 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)

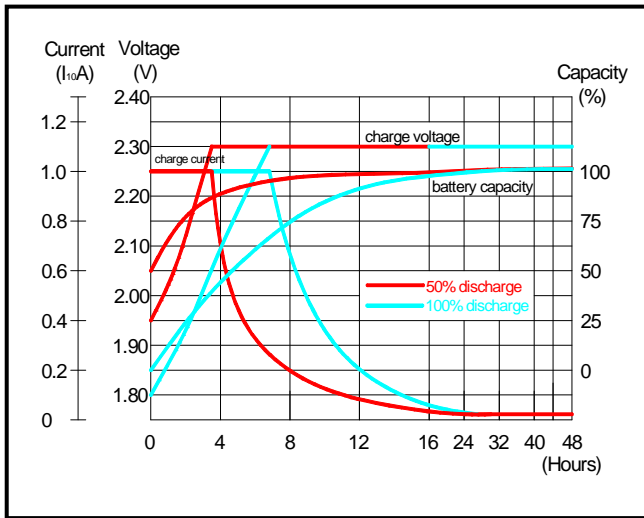
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	711	632	466	387	297	228	189	155	130	111	92
1.85V	882	699	557	439	318	251	202	168	141	117	100
1.80V	1096	770	593	453	337	267	209	178	154	121	104
1.75V	1213	894	630	474	352	274	214	181	156	123	105
1.70V	1263	963	657	495	364	279	217	183	158	124	106
1.65V	1306	1017	674	505	372	282	219	184	159	125	106

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

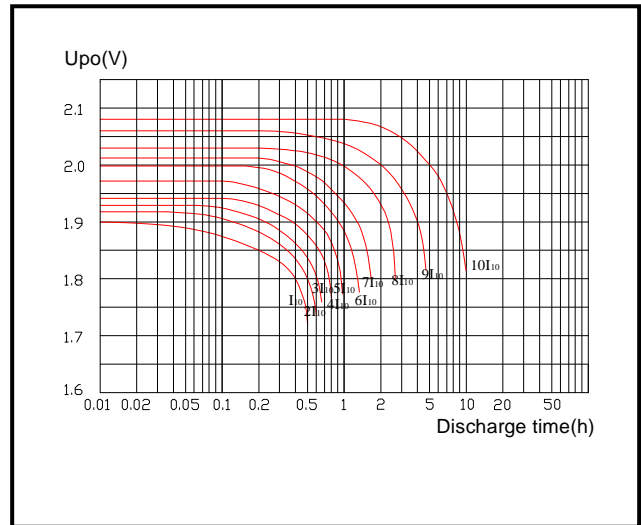
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	1365	1222	915	763	588	458	381	312	264	224.1	187.2
1.85V	1660	1332	1075	855	622	499	403	337	283	236.3	200.9
1.80V	2030	1431	1129	874	654	525	417	355	308	242.2	207.7
1.75V	2210	1643	1187	909	680	536	424	360	313	246.5	210.0
1.70V	2244	1746	1220	940	697	544	429	364	316	248.1	211.8
1.65V	2250	1820	1237	950	708	548	432	366	317	248.7	212.4

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.

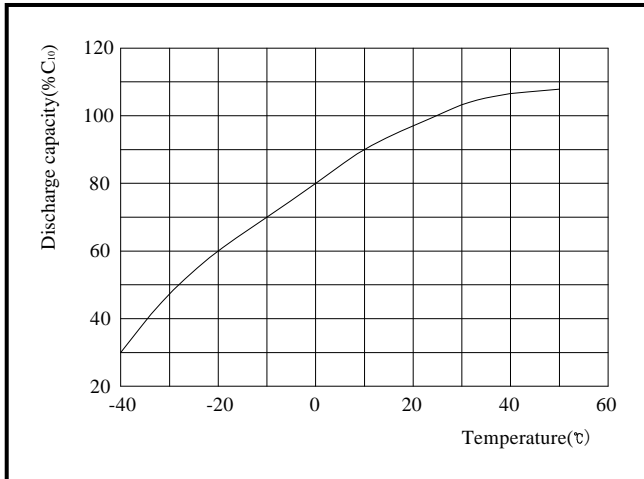
Constant Voltage Charge Characteristics



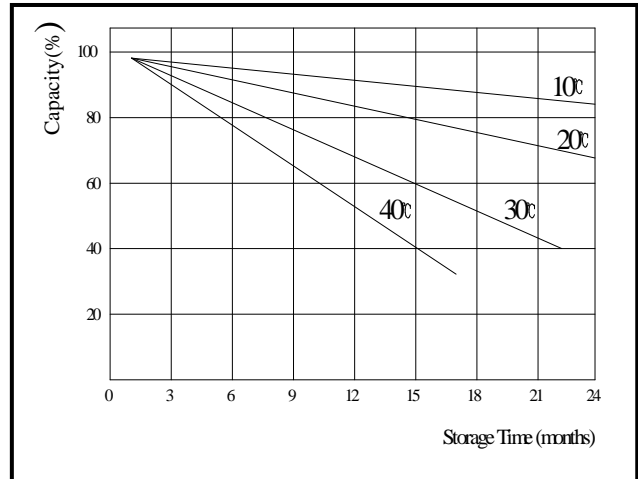
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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