

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	300 Ah @ 10hr to 1.80V per cell @ 25°C(77°F)
Weight	Approx. 19.2 kg (42.24 lbs)
Internal Resistance (full charged)	Approx. 0.60m Ω @ 25°C(77°F)
Maximum Discharge Current	1860A (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	30A
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)

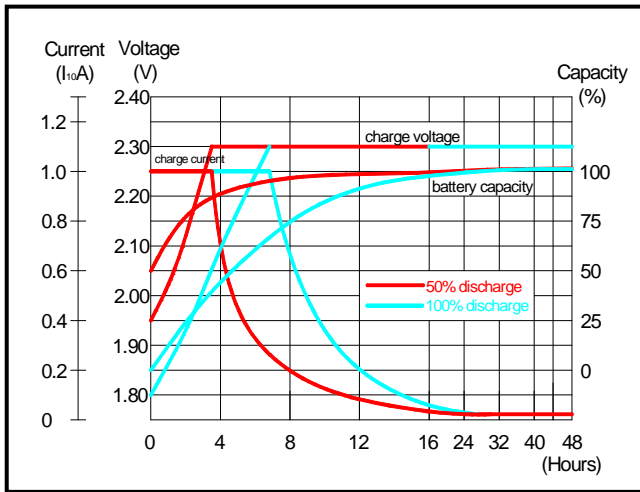
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	213	190	140	116	89	68	56.6	46.4	39.1	33.2	27.6
1.85V	265	210	167	132	95	75	60.5	50.4	42.2	35.2	29.9
1.80V	329	231	178	136	101	80	62.8	53.3	46.1	36.3	31.1
1.75V	364	268	189	142	106	82	64.1	54.3	46.9	37.0	31.5
1.70V	379	289	197	148	109	84	65.1	55.0	47.5	37.3	31.8
1.65V	392	305	202	151	112	85	65.7	55.3	47.8	37.4	31.9

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

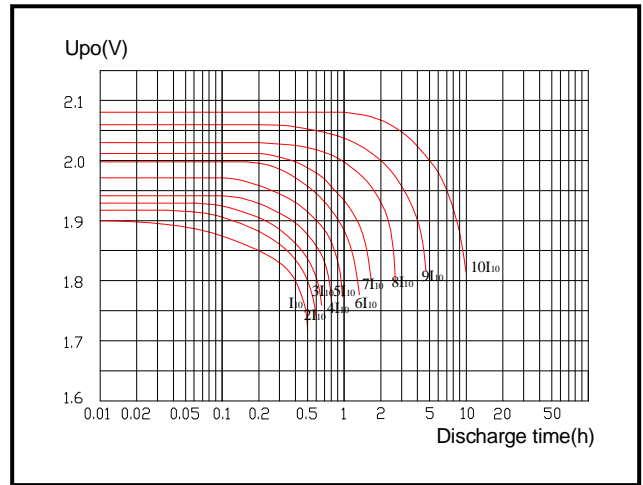
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	410	367	275	229	176	137.4	114.2	93.7	79.2	67.2	56.1
1.85V	498	400	323	257	187	149.7	121.0	101.1	84.8	70.9	60.3
1.80V	609	429	339	262	196	157.4	125.0	106.4	92.3	72.7	62.3
1.75V	663	493	356	273	204	160.8	127.1	108.1	93.8	74.0	63.0
1.70V	673	524	366	282	209	163.3	128.8	109.3	94.7	74.4	63.5
1.65V	675	546	371	285	212	164.3	129.6	109.8	95.2	74.6	63.7

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.

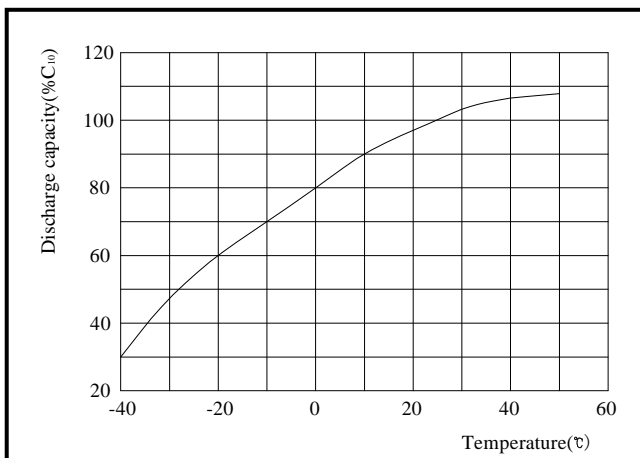
Constant Voltage Charge Characteristics



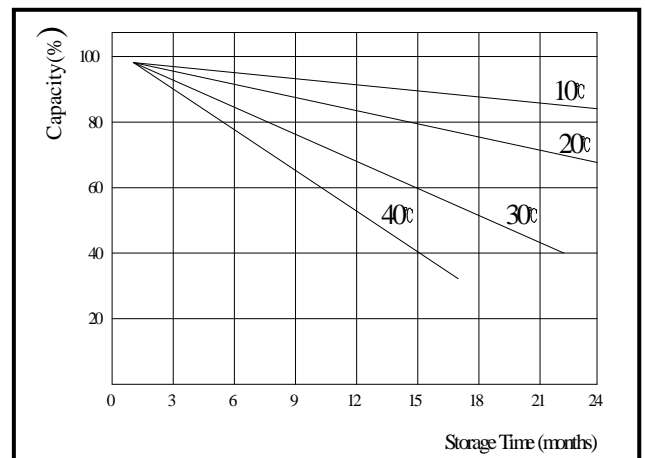
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



Free service tel:+86-4008-899-886

FAX: +86-25-83176850

Tel: +86-25-83176860

E-mail: gjpt@chinashoto.com

E-mail: joyce.zhong@chinashoto.com

Web: <http://www.chinashoto.cn/>