

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	800 Ah @ 10hr to 1.80V per cell @ 25°C(77°F)
Weight	Approx. 48 kg (105.6 lbs)
Internal Resistance (full charged)	Approx. 0.37m Ω @ 25°C(77°F)
Maximum Discharge Current	4960A (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	80A
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)

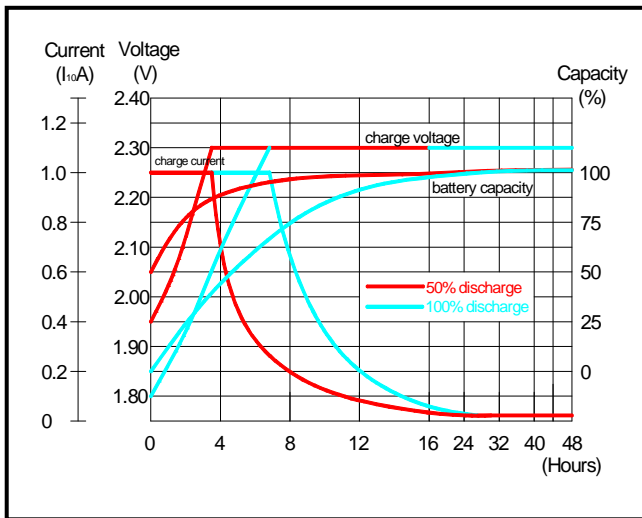
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	569	505	373	310	237	183	151	124	104	88.6	73.6
1.85V	706	559	445	351	254	201	161	134	112	94.0	79.7
1.80V	877	616	475	362	270	213	168	142	123	96.7	82.8
1.75V	971	715	504	379	282	219	171	145	125	98.6	84.0
1.70V	1011	770	525	396	291	223	174	147	127	99.4	84.7
1.65V	1045	814	539	404	297	225	175	148	128	99.8	85.1

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

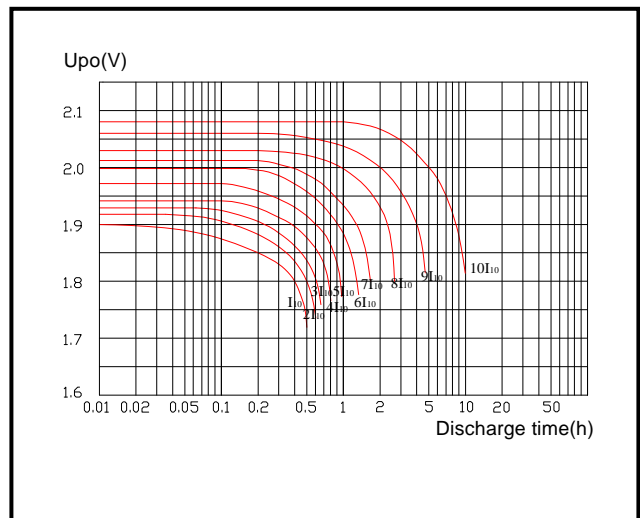
F.V/Time	15min	30min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	1092	978	732	610	470	366	304	250	211.2	179.3	149.7
1.85V	1328	1065	860	684	498	399	323	270	226.1	189.0	160.7
1.80V	1624	1145	904	700	523	420	333	284	246.1	193.8	166.1
1.75V	1768	1314	950	727	544	429	339	288	250.1	197.2	168.0
1.70V	1795	1397	976	752	558	435	343	291	252.6	198.5	169.4
1.65V	1800	1456	990	760	566	438	346	293	253.9	198.9	169.9

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.

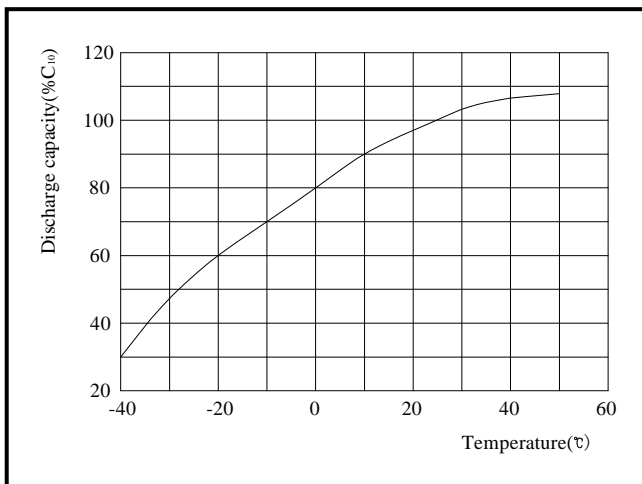
Constant Voltage Charge Characteristics



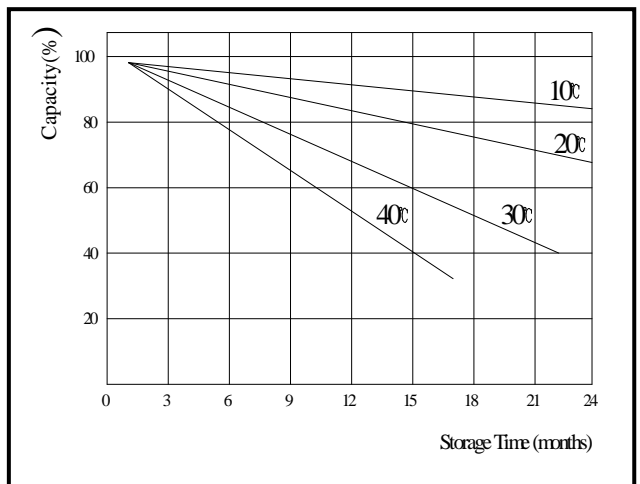
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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