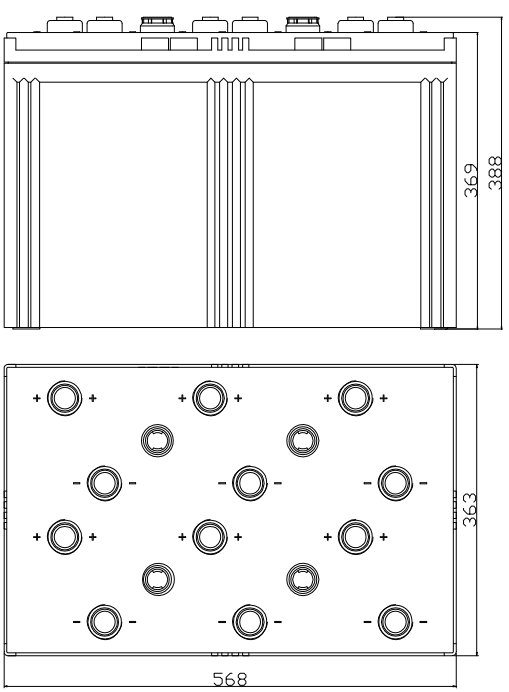
Valve-regulated Lead Acid Batteries GFM series are widely utilized as standby power supply for communication and signal syatem such as telecommunication, mobile station, and railway etc., backup power supply for UPS and emergency illumination.
The design life of the GFM-3000 is 15 years.

GFM-3000



Normal Voltage	2V
Capacity	3000 Ah @ 10hr to 1.80V per cell @ 25℃
Weight	Approx.185 kg (407Ibs)
Internal Resistance (full charged)	Approx. 0.17mΩ @ 25℃
Maximum Discharge Current	18600A (5sec)
Self Discharge @ 25℃	No more than 3 % after 30 days storage
Operating Temperature Range	Discharge: -40℃～50℃ Charge: -20℃～45℃ Storage: -20℃～40℃
Recommended Operating Temperature	15℃～25℃
Maximum Charging Current Limited	600A
Charging Voltage @ 25℃	Float: 2.23 V, Temps coefficient -3 mV/℃ Cycle: 2.35 V
Contain Materials	ABS
Terminal	M8 and HPb59-1

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GFM-3000

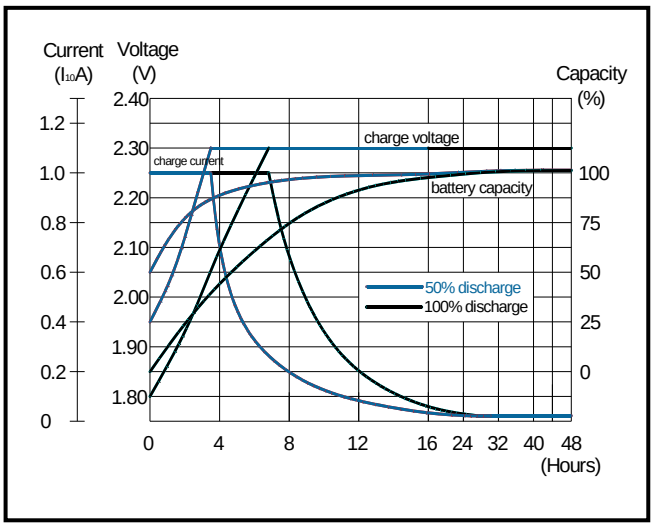
Constant Current Discharge Characteristics Unit: A (25℃)

F.V/Time	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	1294	1075	864	646.2	544.2	446.2	383.3	328.7	268.0
1.85V	1546	1219	925	711.3	581.7	484.6	413.7	348.5	290.3
1.80V	1648	1257	982	754.7	603.8	512.5	452.0	359.4	301.9
1.75V	1749	1316	1026	775.5	616.3	522.1	459.8	366.3	305.8
1.70V	1824	1375	1060	790.6	626.0	528.8	465.7	369.3	308.7
1.65V	1872	1402	1083	797.2	631.7	531.7	468.6	370.3	309.7

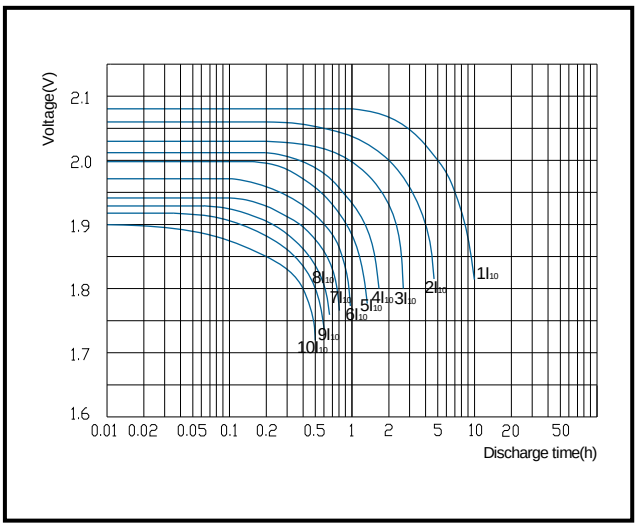
Constant Power Discharge Characteristics Unit: W/cell (25℃)

F.V/Time	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	2543	2119	1712	1296.2	1098.1	901.0	776.5	665.3	544.7
1.85V	2987	2376	1812	1412.3	1163.5	972.1	831.4	702.0	585.4
1.80V	3137	2429	1905	1484.9	1201.9	1023.1	904.9	719.8	604.9
1.75V	3298	2524	1981	1517.0	1222.1	1039.4	919.6	732.7	611.7
1.70V	3388	2612	2031	1540.6	1238.5	1051.0	928.4	736.6	616.5
1.65V	3436	2640	2062	1550.0	1246.2	1055.8	933.3	738.6	618.4

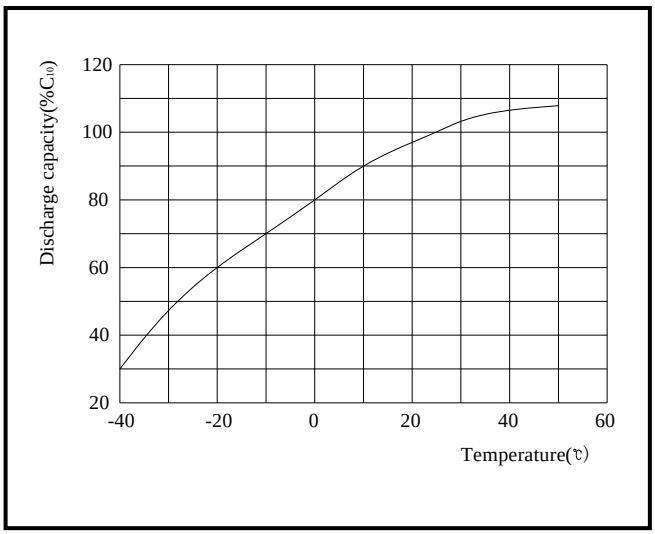
Constant Voltage Charge Characteristics



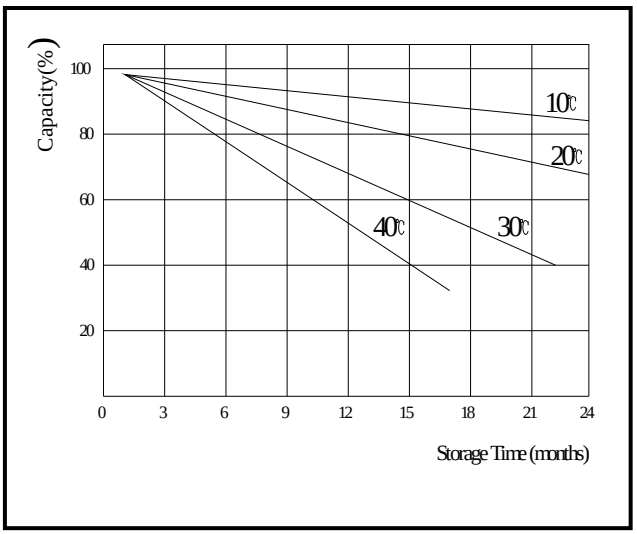
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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