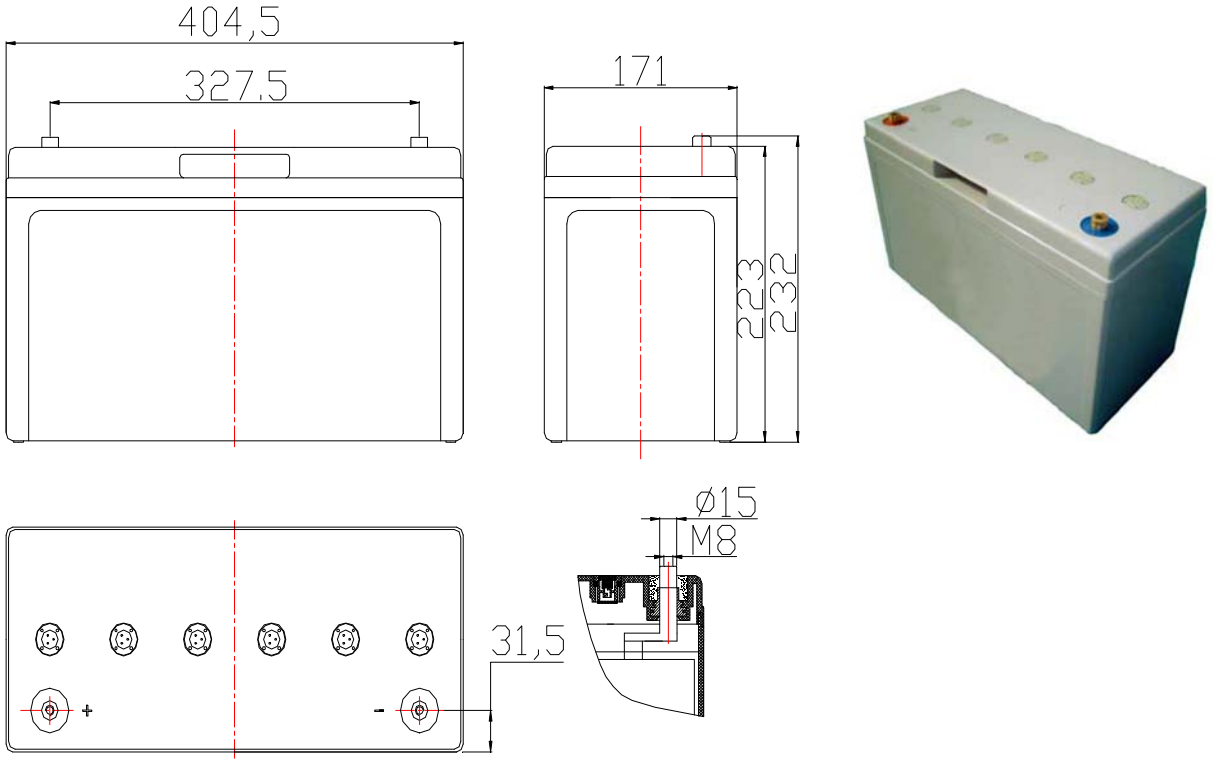
IE6-GFM-120 Series is a high -capacity battery. With easy usage and maintenance, it is intended for service in telecom system, UPS, and security system, etc.
The design life of the IE6-GFM-120 is 10 years.

IE6-GFM-120



Normal Voltage	12V
Capacity	120 Ah @ 10hr to 1.80V per cell @ 25℃
Weight	Approx. 36kg (79.2 lbs)
Internal Resistance (full charged)	Approx. 4.0mΩ @ 25℃
Maximum Discharge Current	744A (5sec)
Self Discharge @ 25℃	Less than 8 % after 90 days storage
Operating Temperature Range	Discharge: -40℃～50℃ Charge: -20℃～45℃ Storage: -20℃～40℃
Recommended Operating Temperature	15℃～25℃
Maximum Charging Current Limited	24A
Charging Voltage @ 25℃	Float: 2.25 V/cell, Temps coefficient -3 mV/℃ Cycle: 2.35 V/cell
Contain Materials	ABS
Terminal	M8 and HPb59- T_1
Capacity Affected by Temperature	105 % @ 40℃ 85 % @ 0℃ 60 % @ -20℃

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IE6-GFM-120

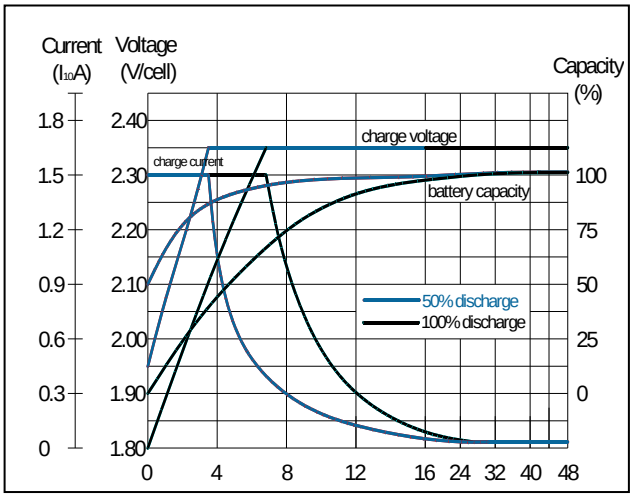
Constant Current Discharge Characteristics Unit: A (25℃)

F.V/Time	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr
1.90V/cell	114.8	89.2	56.9	40.4	31.5	24.6	21.2	17.6	13.8	11.8
1.85Vcell	138.9	101.3	60.3	42.8	32.5	25.0	21.5	18.4	14.1	12.2
1.80V/cell	161.7	109.8	64.8	43.7	33.1	25.5	21.7	18.6	14.6	12.5
1.75V/cell	174.4	116.0	66.2	44.2	33.5	25.8	21.9	18.8	14.9	12.6
1.70V/cell	183.9	122.8	68.4	44.7	34.0	26.0	22.1	19.0	15.0	12.7
1.65V/cell	192.2	127.2	70.5	45.8	34.6	26.2	22.5	19.1	15.2	12.8

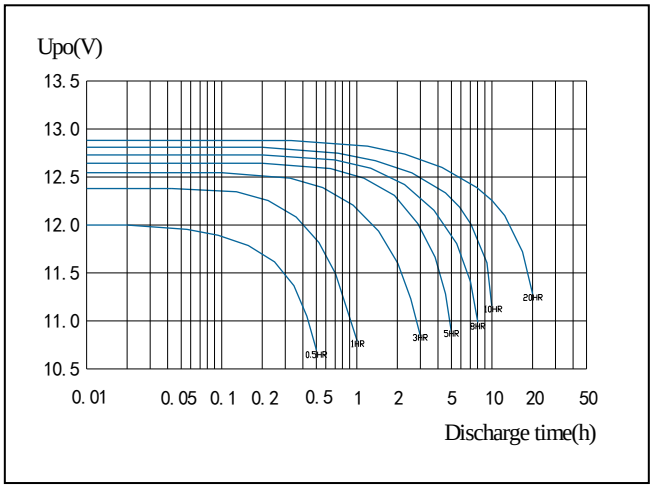
Constant Power Discharge Characteristics Unit: W/cell (25℃)

F.V/Time	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr
1.90V/cell	220.6	172.7	111.8	80.0	63.2	49.7	42.8	35.5	27.9	23.8
1.85V/cell	261.3	193.0	116.4	83.7	64.5	49.9	43.1	36.9	28.3	23.9
1.80V/cell	299.4	204.0	123.4	84.7	65.1	50.6	43.3	37.3	29.2	24.1
1.75V/cell	317.5	213.3	124.7	85.2	65.5	51.2	43.5	37.5	29.7	24.3
1.70V/cell	326.6	222.6	127.0	85.7	66.2	51.4	43.9	37.8	30.0	24.9
1.65V/cell	331.1	227.7	129.3	87.3	67.3	51.7	44.7	38.1	30.2	25.1

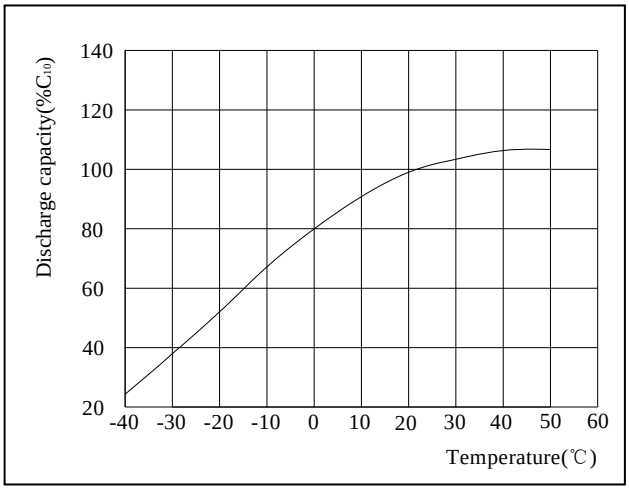
Constant Voltage Charge Characteristics



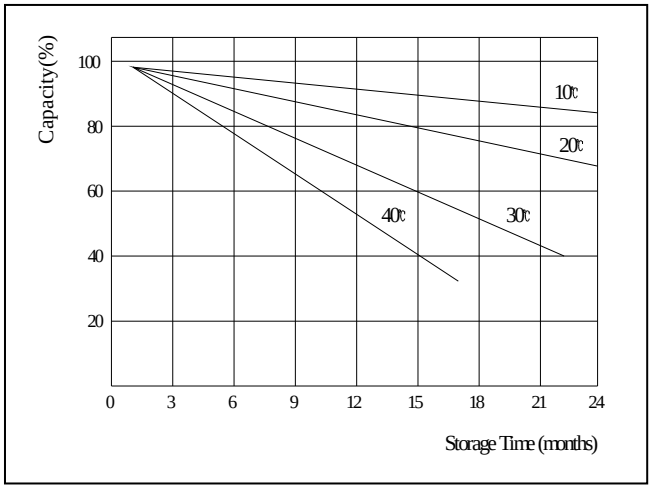
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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