

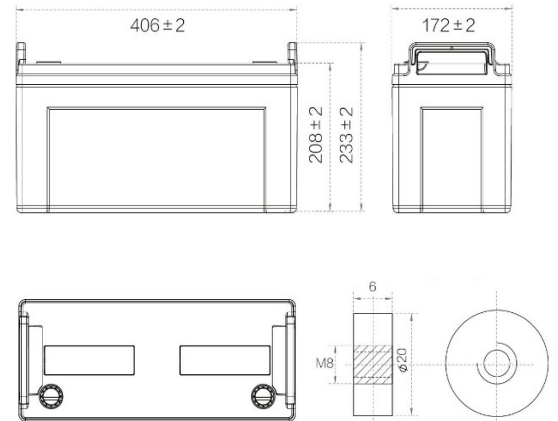
## GEL SERIES 6GFMJ120(12V120AH/10HR)

### Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	120AH	
Dimension	Length	406±2mm(15.98inch)
	Width	173±2mm(6.81inch)
	Height	236±2mm(9.29inch)
	Total Height	236±2mm(9.29inch)
Approx Weight	Approx. 34.5kg(+-4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.4mΩ	
Rated Capacity	126AH	(20hr, 1.75V/cell,25°C/77°F)
	120AH	(10hr, 1.75V/cell,25°C/77°F)
	100AH	(5hr, 1.75V/cell,25°C/77°F)
	90.0AH	(3hr, 1.75V/cell,25°C/77°F)
	66.0AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	1200A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F )	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%



### Dimensions

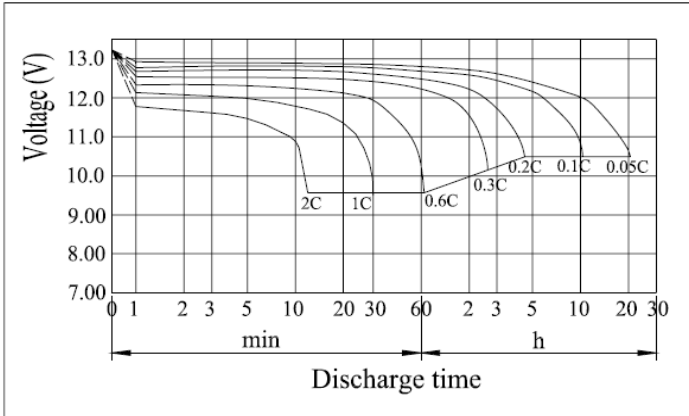


Constant Power Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	607	484	350	231	144	83,8	60,6	45,2	40,3	36,2	22,7	12,5
1.75V/cell	623	497	371	236	145	83,8	60,6	46,4	40,7	37,1	22,9	12,6
1.70V/cell	630	503	373	238	146	84,3	61,2	46,9	41,0	37,5	23,2	12,7
1.67V/cell	637	508	378	238	147	84,9	61,2	47,4	41,3	37,9	23,4	12,7
1.60V/cell	644	514	384	240	149	84,9	61,8	47,9	41,5	38,4	23,6	12,8

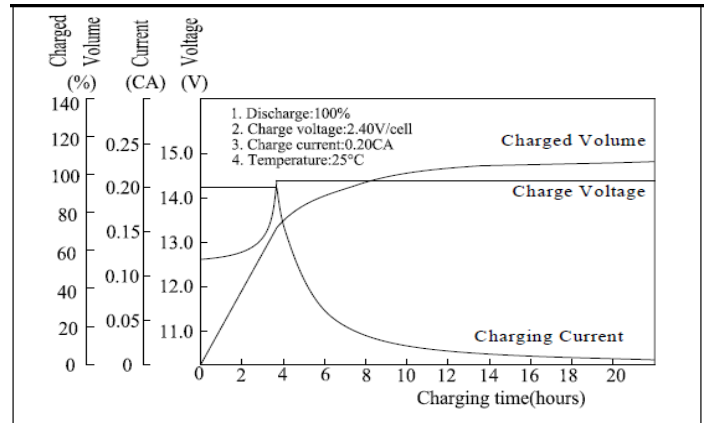
Constant Current Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	304	245	187	122	74,3	42,9	31,2	22,9	20,7	18,2	11,9	6,30
1.75V/cell	311	252	200	127	76,0	43,7	31,5	23,5	21,2	18,7	11,9	6,36
1.70V/cell	315	255	207	128	77,2	44,4	31,8	23,8	21,4	18,9	12,0	6,36
1.67V/cell	318	257	211	131	77,8	44,7	32,3	24,1	21,7	19,1	12,1	6,42
1.60V/cell	322	260	218	132	78,4	45,0	32,6	24,3	21,9	19,3	12,1	6,47

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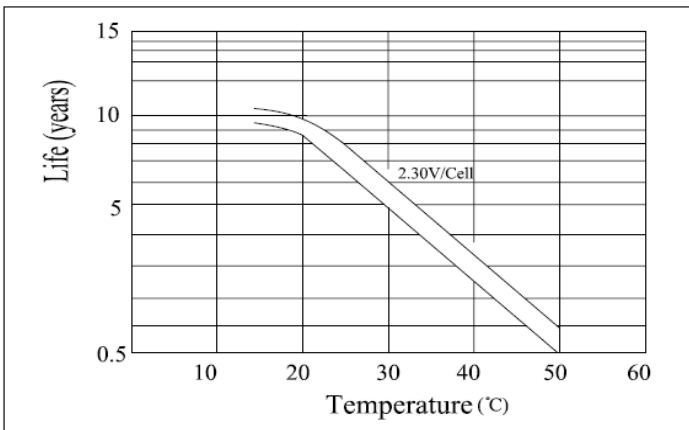
## Discharge Characteristics



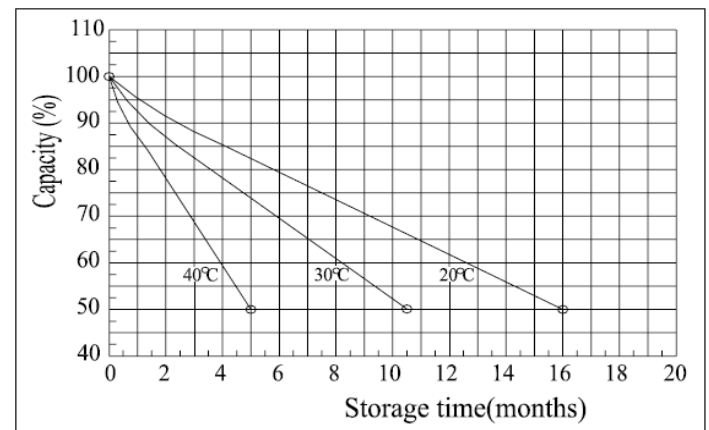
## Float Charging Characteristics



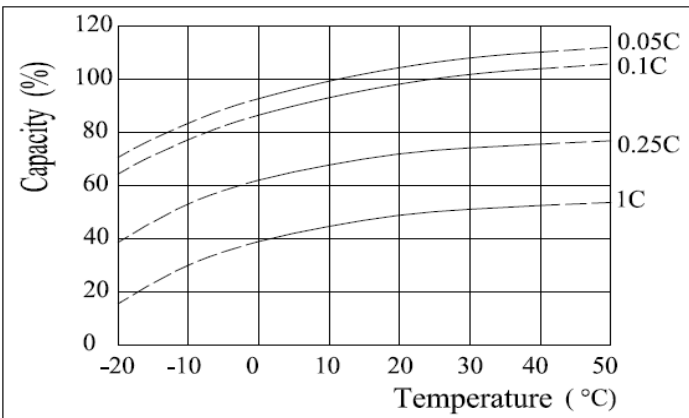
## Floating Life on Temperature



## Self Discharge Characteristics ( 25°C(77°F) )



## Temperature Effects in Relation to Battery Capacity



## Cycle Life Relation to Depth of Discharge

