

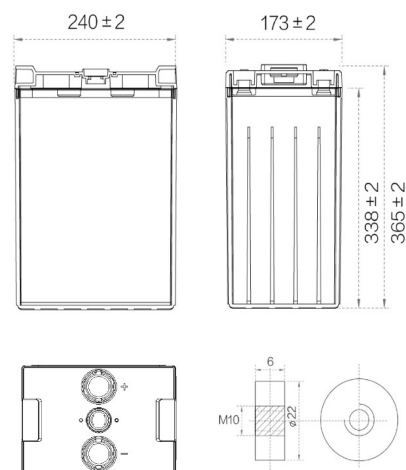
STANDBY SERIES GFM-500C(2V500AH/10HR)

Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	500AH	
Dimension	Length	240±2mm(9.45inch)
	Width	173±2mm(6.81inch)
	Height	338±2mm(13.31inch)
	Total Height	365±2mm(14.37inch)
Approx Weight	Approx.30.5kg(+/-4%)	
Terminal Type	M10	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.0.5mΩ	
Rated Capacity	520AH	(20hr, 1.75V/cell,25°C/77°F)
	500AH	(10hr, 1.75V/cell,25°C/77°F)
	410AH	(5hr, 1.75V/cell,25°C/77°F)
	375AH	(3hr, 1.75V/cell,25°C/77°F)
	300AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	4000A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA 2.35V~2.45@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	No limit on Initial Charging Current Voltage 2.25V~2.30V@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



Terminal M10

Constant Power Discharge at 25°C(77°F)

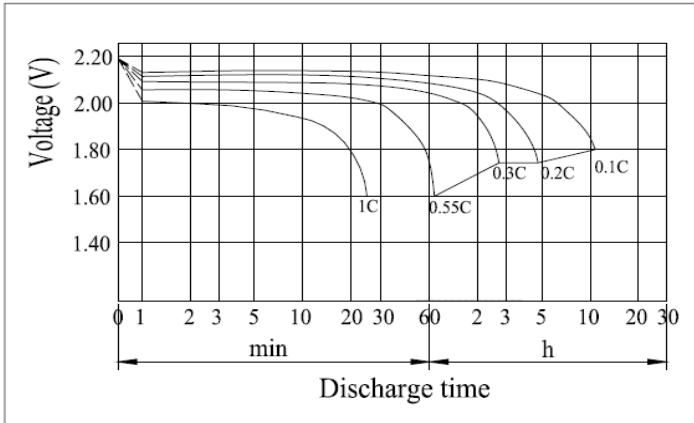
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1203	1116	821	497	331	238	182	158	133	112	90,9	49,8
1.80V/cell	1333	1205	847	511	340	249	193	166	142	117	92,6	50,3
1.75V/cell	1506	1237	870	554	347	254	197	168	144	118	93,4	50,5
1.70V/cell	1605	1317	885	582	354	259	199	171	147	120	94,2	51,7
1.67V/cell	1716	1363	911	594	359	264	204	171	148	121	95,9	52,1
1.60V/cell	1756	1434	937	602	369	267	209	172	149	121	96,7	52,4

Constant Current Discharge at 25°C(77°F)

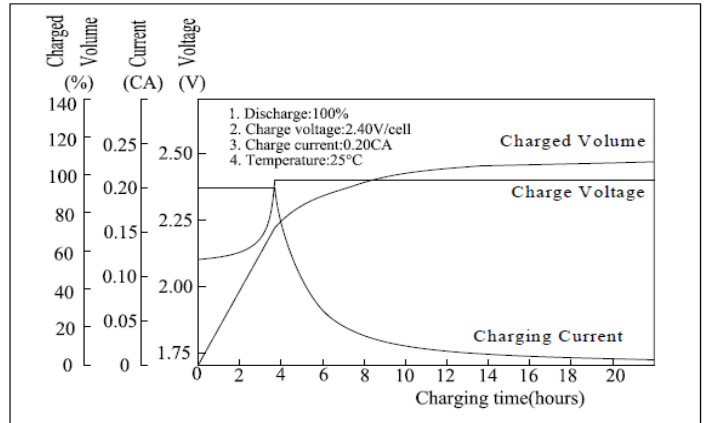
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	710	581	418	239	148	118	96	77,6	67,2	56,8	49,0	25,5
1.80V/cell	777	619	440	249	155	121	98	79,2	69,1	57,8	49,4	25,8
1.75V/cell	814	641	455	262	161	123	100	81,7	71,0	58,8	49,9	26,1
1.70V/cell	871	658	499	270	168	127	103	83,4	72,4	59,7	50,4	26,4
1.67V/cell	913	708	520	279	172	132	107	85,9	74,1	60,8	51,4	26,6
1.60V/cell	959	736	540	289	178	136	109	88,4	75,7	61,2	51,9	26,8

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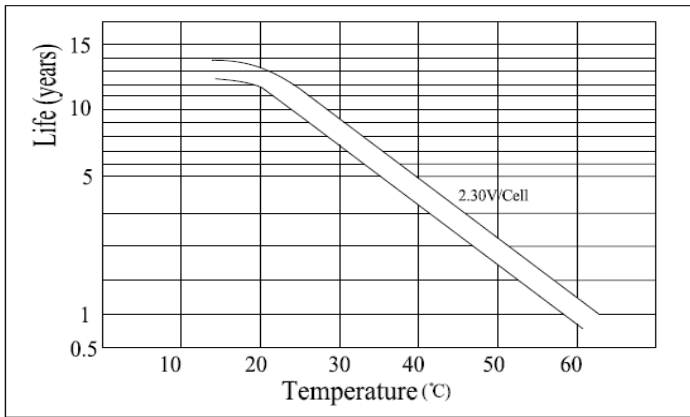
Discharge Characteristics



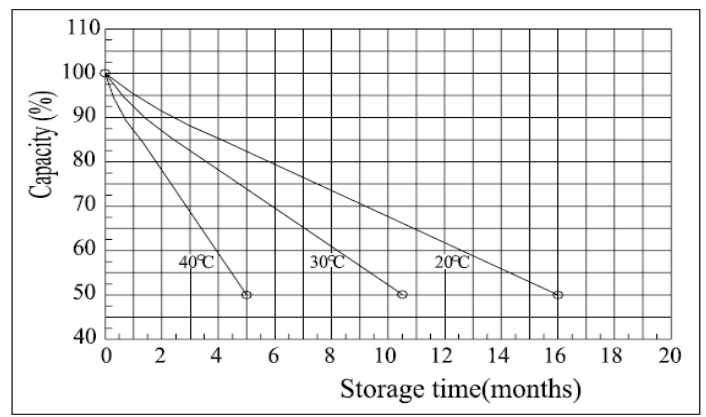
Float Charging Characteristics



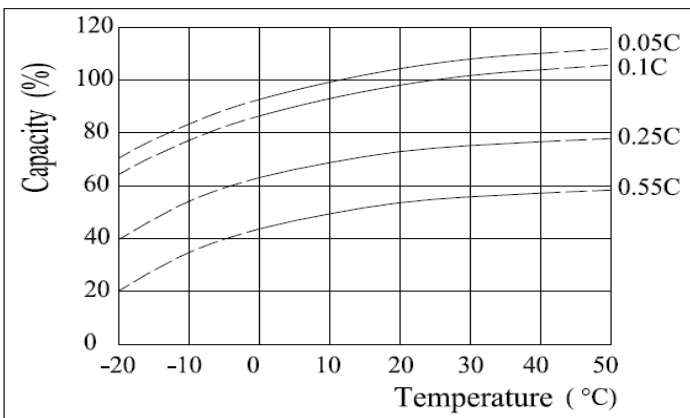
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

