

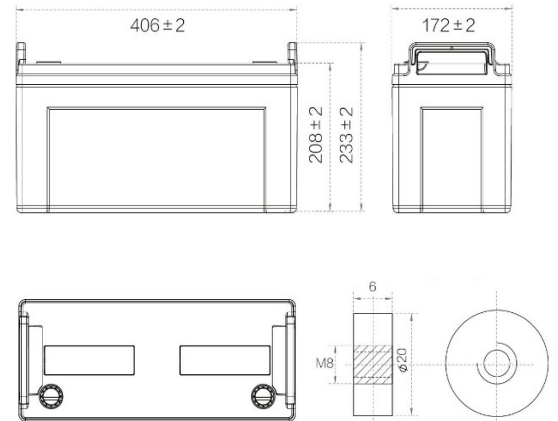
STANDBY SERIES SP12-120(12V120AH/10HR)

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	123AH	(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	800A(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

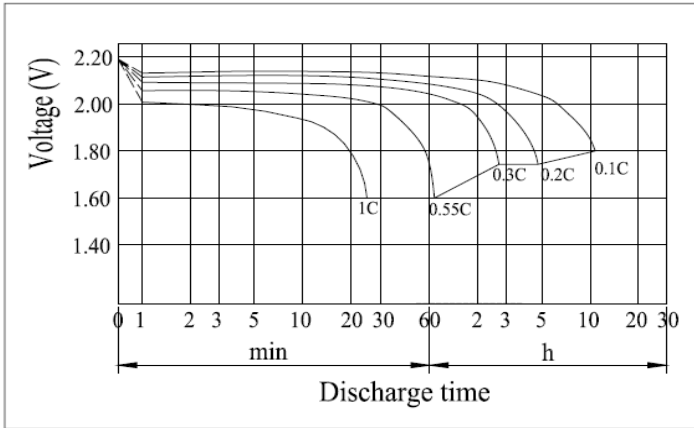


Constant Power Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	648	432	384	236	146	81,1	58,2	44,6	38,4	35,6	23,0	11,8
1.75V/cell	663	475	396	239	150	82,0	58,8	45,4	39,6	36,0	23,0	11,8
1.70V/cell	679	508	401	241	152	82,9	59,3	45,9	40,5	36,5	23,1	12,0
1.67V/cell	694	520	407	243	155	83,8	59,9	46,5	41,5	37,2	23,1	12,0
1.60V/cell	699	527	413	244	157	84,6	60,1	46,9	42,1	37,8	23,3	12,2

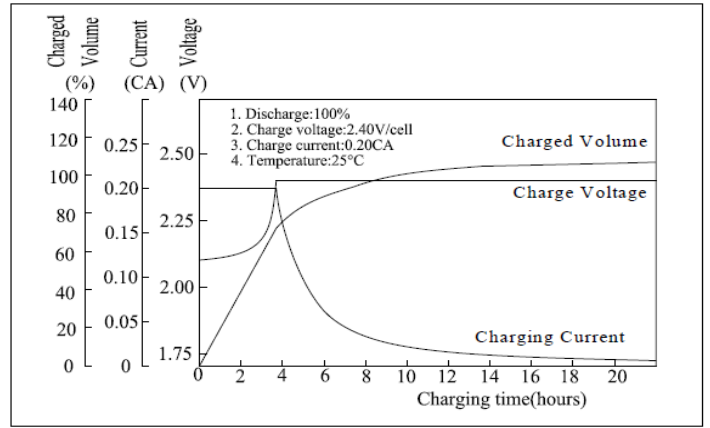
Constant Current Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	337	225	200	123	75,8	42,3	30,3	23,2	20,0	18,6	12,0	6,12
1.75V/cell	345	247	206	124	78,1	42,7	30,6	23,6	20,6	18,8	12,0	6,13
1.70V/cell	353	264	209	125	79,3	43,2	30,9	23,9	21,1	19,0	12,0	6,25
1.67V/cell	362	271	212	126	80,5	43,6	31,2	24,2	21,6	19,3	12,1	6,28
1.60V/cell	364	275	215	127	81,9	44,1	31,3	24,4	21,9	19,7	12,2	6,33

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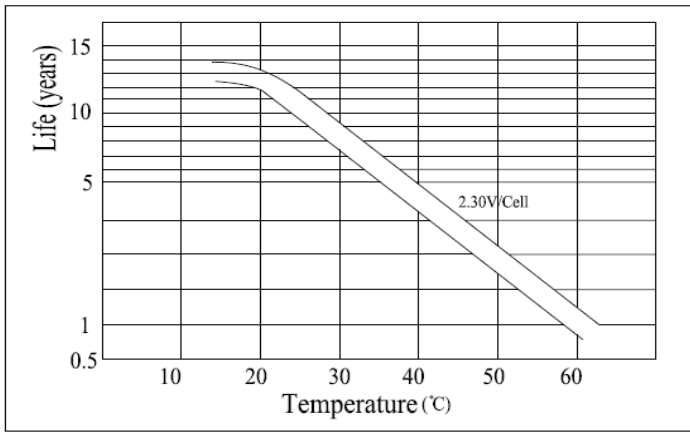
Discharge Characteristics



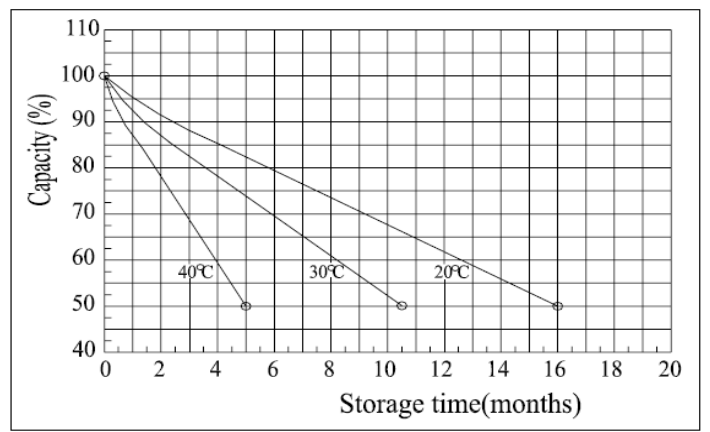
Float Charging Characteristics



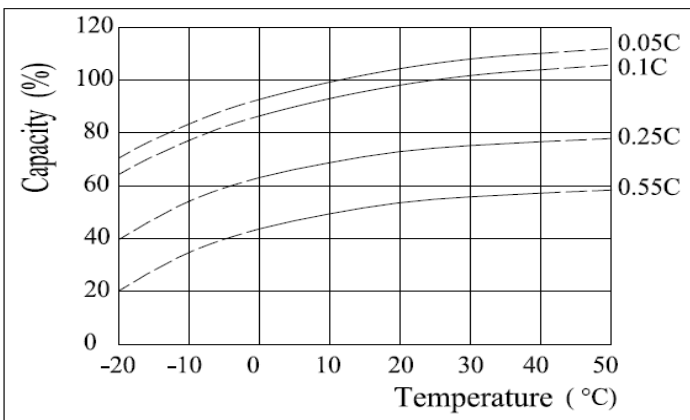
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

