

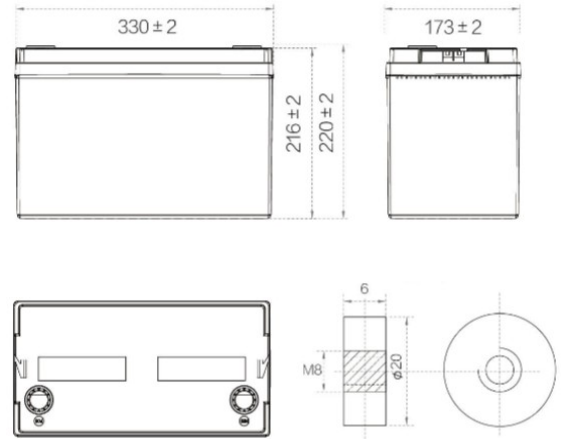
STANDBY SERIES SP12-100(12V100AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	100AH	
Dimension	Length	330±2mm(13inch)
	Width	173±2mm(6.81inch)
	Height	216±2mm(8.50inch)
	Total Height	220±2mm(8.66inch)
Approx Weight	Approx. 29kg(+4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.5mΩ	
Rated Capacity	106AH	(20hr, 1.70V/cell,25°C/77°F)
	100AH	(10hr, 1.75V/cell,25°C/77°F)
	85.0AH	(5hr, 1.75V/cell,25°C/77°F)
	75.0AH	(3hr, 1.70V/cell,25°C/77°F)
	55.0AH	(1hr, 1.60V/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



Terminal M8

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

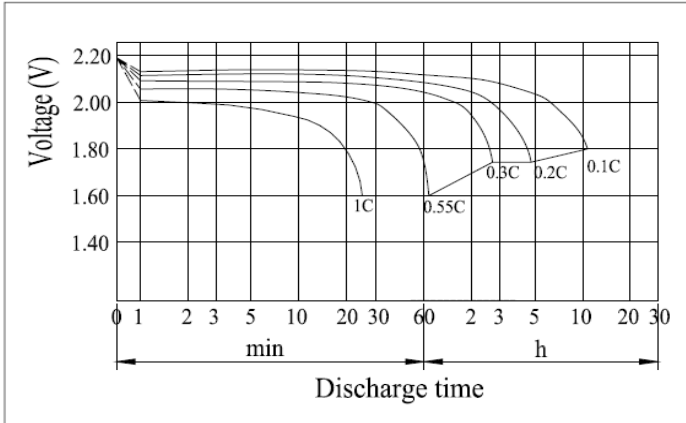
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	464	364	279	181	110,6	66,5	50,2	39,5	33,9	29,5	19,4	10,10
1.75V/cell	523	382	305	188	112,7	68,6	51,3	40,1	34,8	30,3	19,8	10,53
1.70V/cell	540	416	326	196	116,4	71,2	51,7	40,7	35,7	30,6	20,3	10,63
1.67V/cell	560	433	338	201	119,1	73,4	52,2	42,0	35,9	30,9	20,4	10,71
1.60V/cell	574	449	344	207	123,4	75,2	52,6	42,7	36,3	31,2	20,6	10,74

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

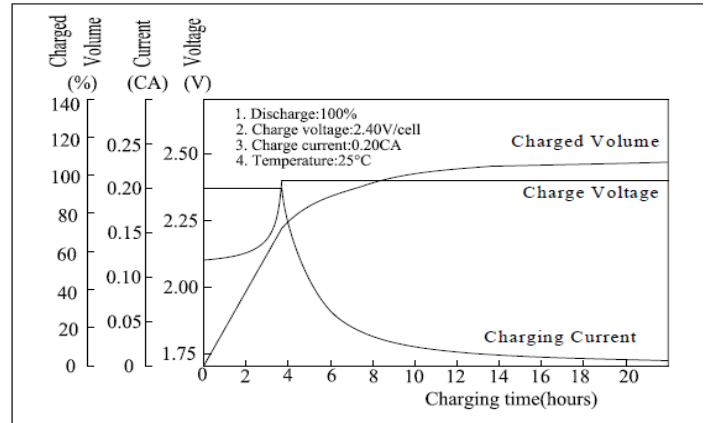
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	242	189	145	94	57,6	34,6	26,2	20,6	17,7	15,4	9,8	5,10
1.75V/cell	272	199	159	98	58,7	35,7	26,7	20,9	18,1	15,8	10,0	5,32
1.70V/cell	281	217	170	102	60,6	37,1	26,9	21,2	18,6	16,0	10,3	5,37
1.67V/cell	292	225	176	105	62,0	38,2	27,2	21,8	18,7	16,1	10,3	5,41
1.60V/cell	299	234	179	108	64,2	39,2	27,4	22,3	18,9	16,2	10,4	5,43

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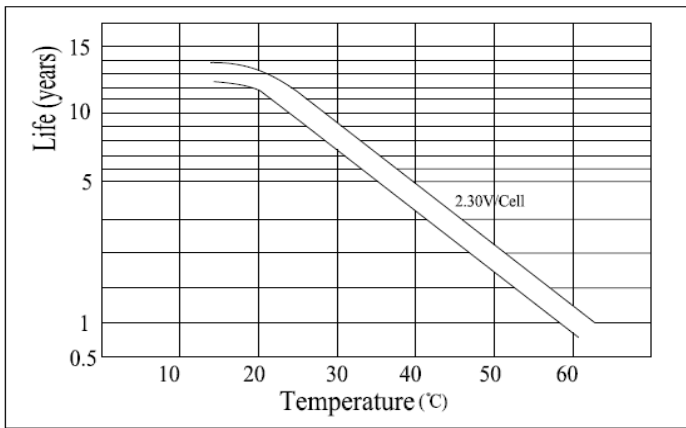
Discharge Characteristics



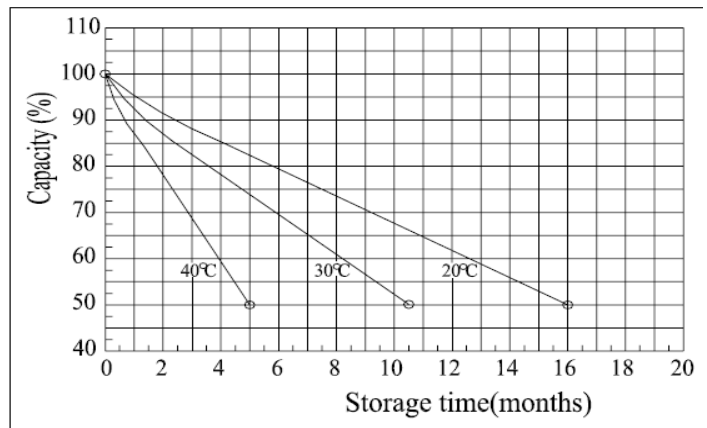
Float Charging Characteristics



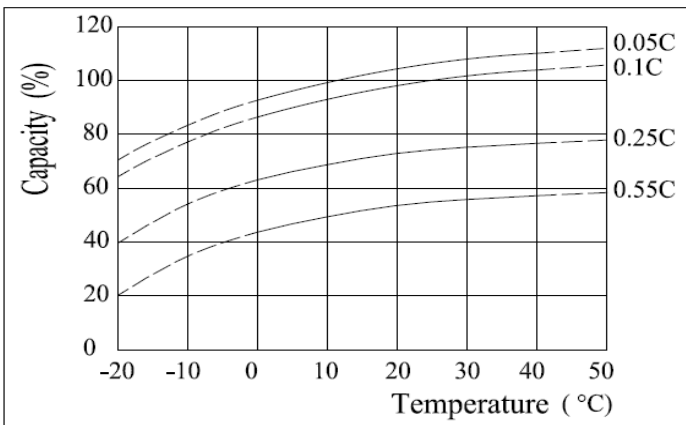
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

