

Specifications

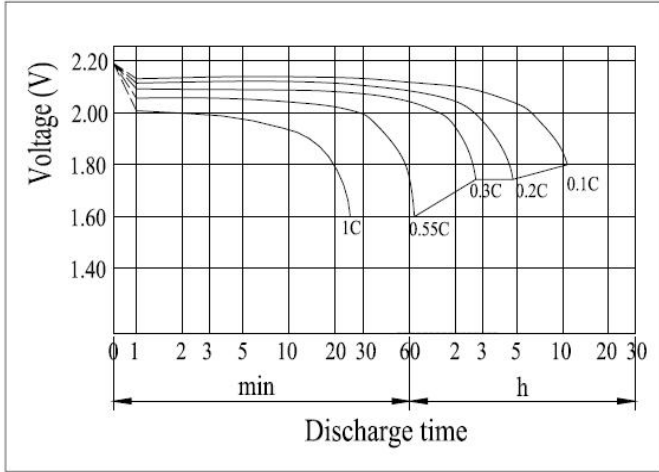
Nominal Voltage	12V	
Nominal Capacity(10hr)	100AH	
Dimension	Length	330±2mm(13inch)
	Width	173±2mm(6.81inch)
	Height	217±2mm(8.54inch)
	Total Height	220±2mm(8.66inch)
Approx Weight	Approx. 28kg	
Terminal Type	B5	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 14mΩ	
Rated Capacity	104AH/5.2A	(20hr, 1.80V/cell,25°C/77°F)
	100AH/10A	(10hr, 1.80V/cell,25°C/77°F)
	87.5AH/17.5A	(5hr, 1.75V/cell,25°C/77°F)
	78.9AH/26.3A	(3hr, 1.75V/cell,25°C/77°F)
	60AH/60A	(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	No limit on Initial Charging Current Voltage	
	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%



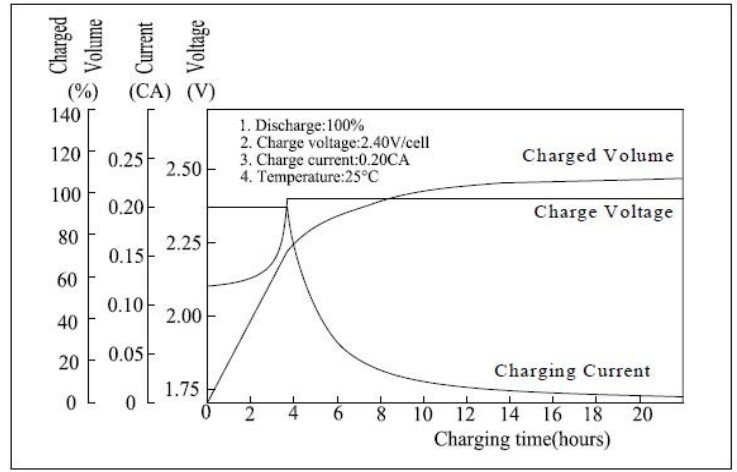
Constant Power Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	603.9	410.8	281.3	171.1	104.8	65.41	50.85	40.00	33.90	22.65	19.50	10.21
1.75V/cell	609.0	414.3	283.7	172.5	105.7	65.96	51.28	40.34	34.19	22.84	19.79	10.36
1.70V/cell	624.2	424.7	290.8	176.8	108.3	67.61	52.57	41.34	35.04	23.41	20.09	10.52
1.67V/cell	639.4	435.0	297.8	181.1	111.0	69.26	53.85	42.35	35.90	23.98	20.38	10.67
1.60V/cell	667.9	454.4	311.1	189.2	115.9	72.35	56.25	44.24	37.50	25.05	20.67	10.82

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	309.7	210.7	144.2	87.72	53.75	33.54	26.08	20.51	17.39	11.62	10.00	5.24
1.75V/cell	312.3	212.5	145.5	88.46	54.20	33.83	26.30	20.68	17.53	11.71	10.15	5.31
1.70V/cell	320.1	217.8	149.1	90.68	55.56	34.67	26.96	21.20	17.97	12.01	10.30	5.39
1.67V/cell	327.9	223.1	152.7	92.89	56.91	35.52	27.61	21.72	18.41	12.30	10.45	5.47
1.60V/cell	342.5	233.0	159.5	97.02	59.45	37.10	28.84	22.69	19.23	12.85	10.60	5.55

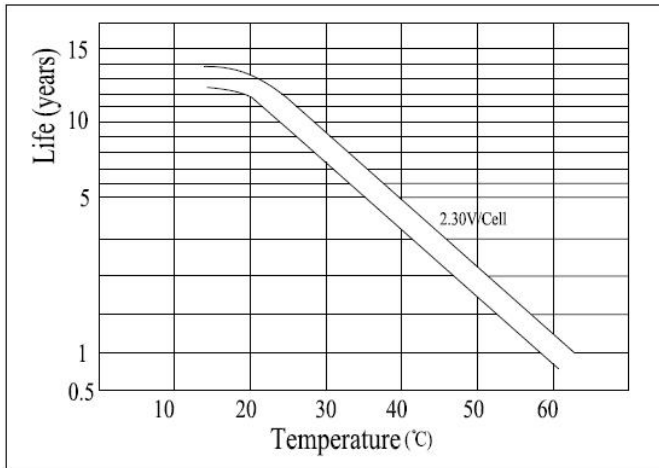
Discharge Characteristics



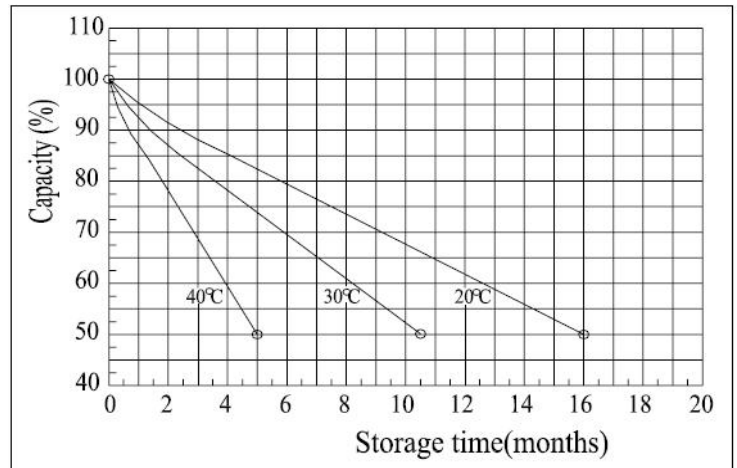
Float Charging Characteristics



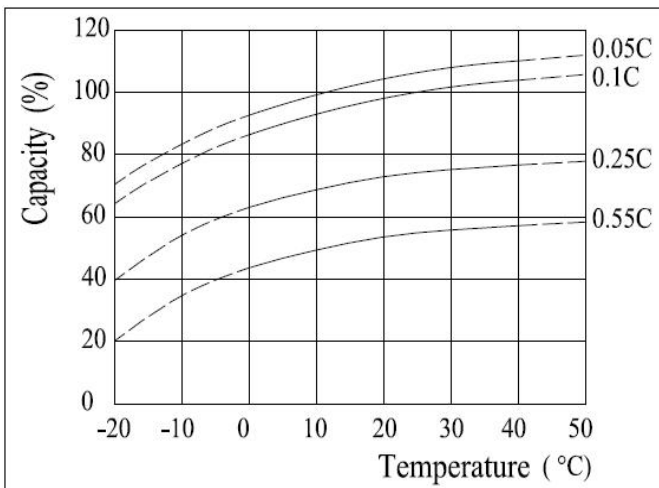
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

