

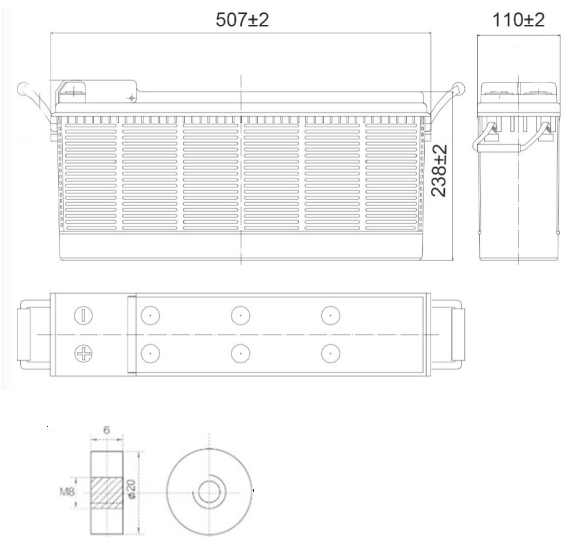
FRONT TERMINAL BATTERY FT12-100(12V100AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	100AH	
Dimension	Length	507±2mm(19.96inch)
	Width	110±2mm(4.33inch)
	Height	238±2mm(9.37inch)
	Total Height	238±2mm(9.37inch)
Approx Weight	Approx. 31.5kg(±4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.6.0mΩ	
Rated Capacity	104.0Ah	(20hr, 1.75V/cell,25°C/77°F)
	100.0Ah	(10hr, 1.75V/cell,25°C/77°F)
	90.0Ah	(5hr, 1.75V/cell,25°C/77°F)
	80.0Ah	(3hr, 1.75V/cell,25°C/77°F)
	60.0AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	1000A(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%



Dimensions



Terminal M8

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

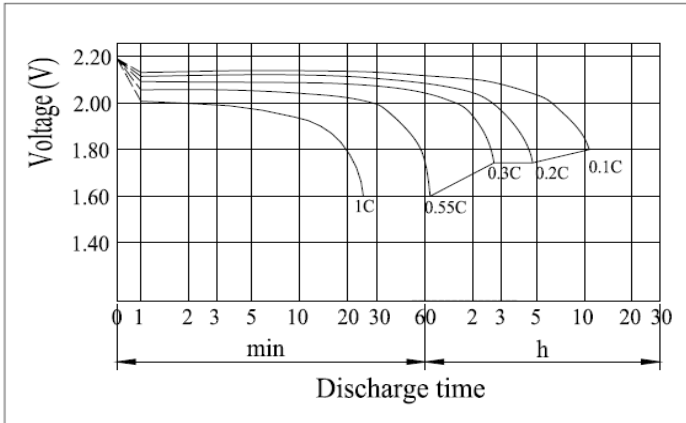
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	338	303	252	185	107	65	47,8	36,5	29,7	25,9	19,6	10,3
1.75V/cell	370	322	275	191	109	67	48,7	36,8	30,4	26,4	20,1	10,3
1.70V/cell	413	347	295	195	112	68	49,6	38,0	31,2	26,7	20,4	10,4
1.67V/cell	441	356	302	197	115	69	50,5	38,7	31,9	27,0	21,0	10,5
1.60V/cell	449	360	305	199	117	70	50,8	39,5	32,6	27,3	21,2	10,7

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

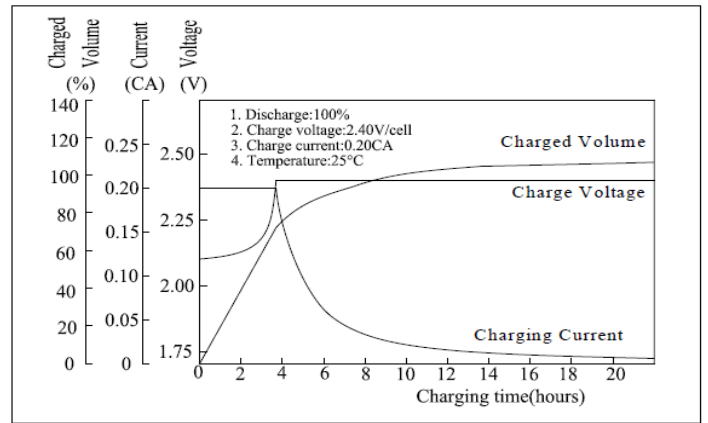
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	223	167	135	97,4	55,6	34,8	25,9	19,8	16,5	14,7	10,0	5,11
1.75V/cell	249	193	143	99,0	57,7	35,7	26,1	19,9	16,8	14,8	10,1	5,20
1.70V/cell	255	197	153	101,3	58,7	36,6	26,5	20,0	17,1	14,9	10,2	5,23
1.67V/cell	268	199	155	103	59,9	37,5	26,7	20,1	17,4	15,2	10,3	5,23
1.60V/cell	271	201	157	105	60,7	38,3	26,9	20,4	17,6	15,3	10,4	5,24

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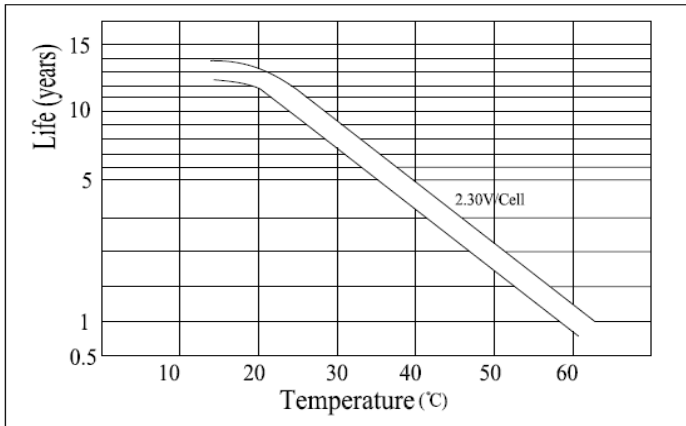
Discharge Characteristics



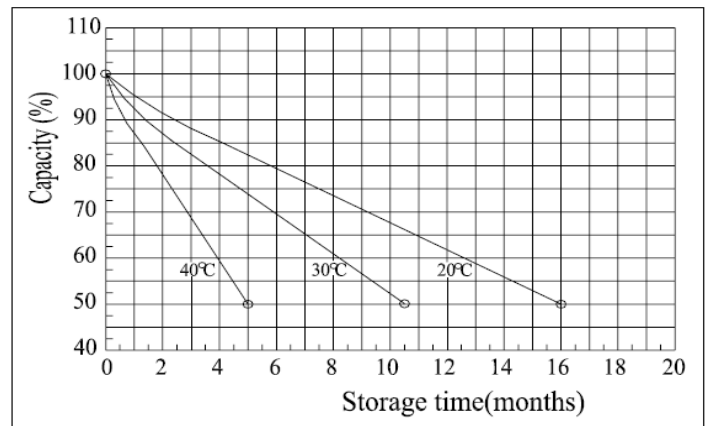
Float Charging Characteristics



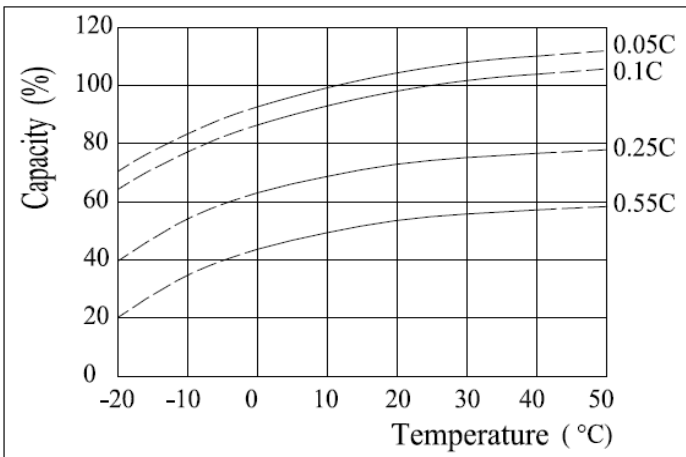
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

