

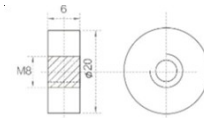
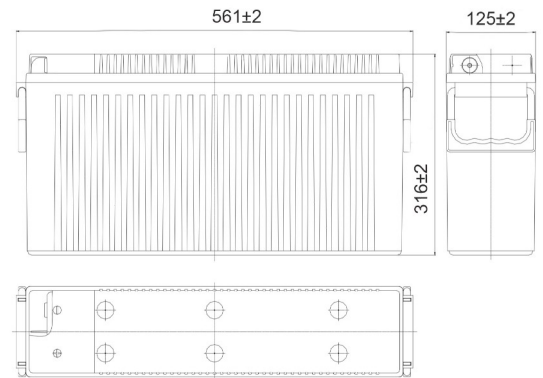
FRONT TERMINAL BATTERY FT12-180(12V180AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	180AH	
Dimension	Length	561±2mm(22.09inch)
	Width	125±2mm(4.92inch)
	Height	316±2mm(12.44inch)
	Total Height	316±2mm(12.44inch)
Approx Weight	Approx. 53.3kg(±4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.4.0mΩ	
Rated Capacity	188.0AH	(20hr, 1.75V/cell,25°C/77°F)
	180.00AH	(10hr, 1.75V/cell,25°C/77°F)
	157.00AH	(5hr, 1.75V/cell,25°C/77°F)
	143.00AH	(3hr, 1.75V/cell,25°C/77°F)
	97.00AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	2000A(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)

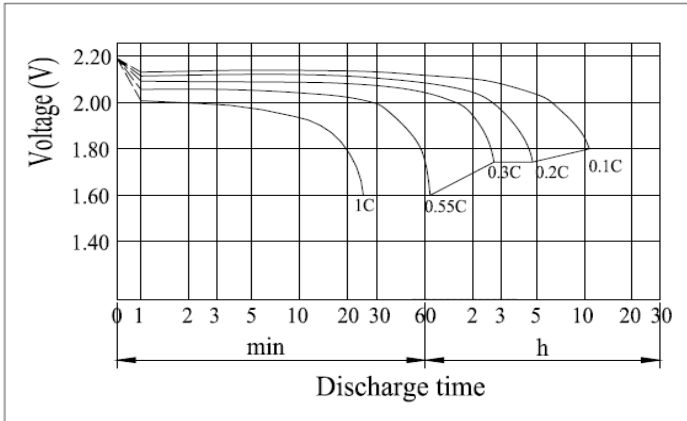
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	1082	736	504	306	188	117	91,1	71,6	60,7	52,9	34,6	18,1
1.75V/cell	1091	742	508	309	189	118	93,0	72,2	61,2	53,6	35,1	18,4
1.70V/cell	1118	749	521	317	194	119	94,1	74,0	62,8	54,5	35,2	18,5
1.67V/cell	1145	760	528	324	199	121	95,7	75,8	63,3	55,1	35,4	18,5
1.60V/cell	1196	773	538	331	202	124	97,6	77,3	64,2	55,6	35,5	18,6

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

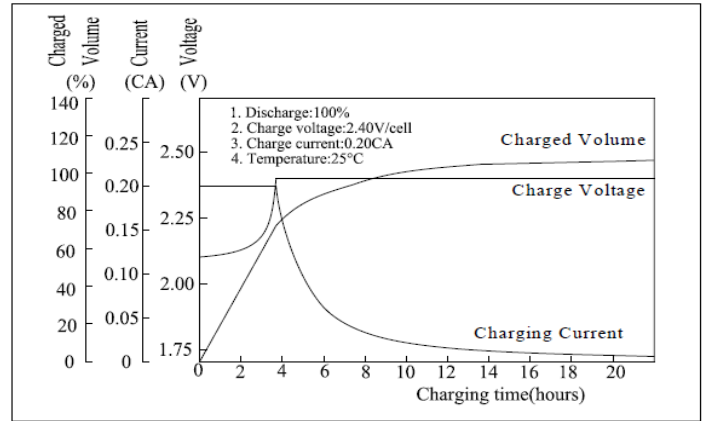
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	555	377	258	157	96,3	60,1	46,7	36,7	31,1	27,1	17,7	9,28
1.75V/cell	559	380	260	158	97,1	60,4	47,7	37,0	31,4	27,5	18,0	9,43
1.70V/cell	573	384	267	162	99,5	61,1	48,3	38,0	32,2	28,0	18,1	9,47
1.67V/cell	587	390	271	166	101,9	62,0	49,1	38,9	32,5	28,2	18,1	9,50
1.60V/cell	613	396	276	170	103,5	63,4	50,1	39,6	32,9	28,5	18,2	9,54

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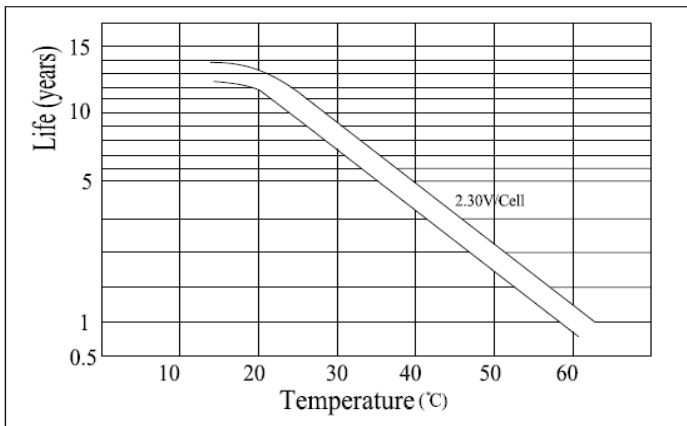
Discharge Characteristics



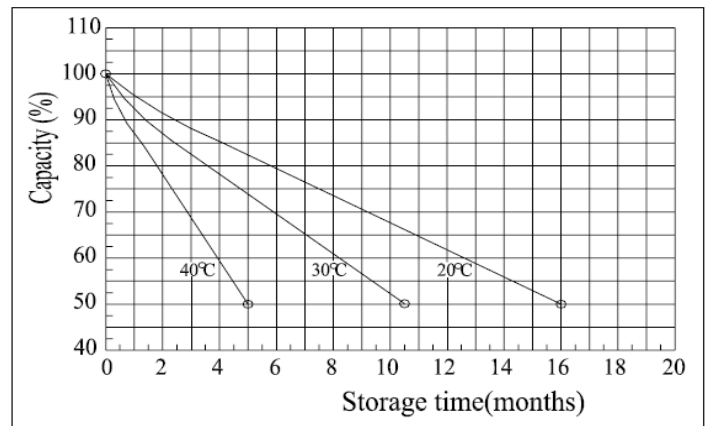
Float Charging Characteristics



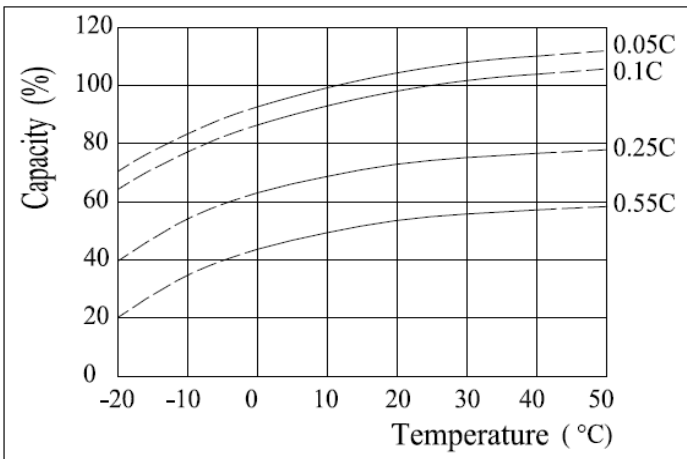
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

