

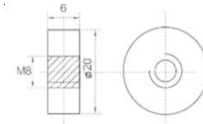
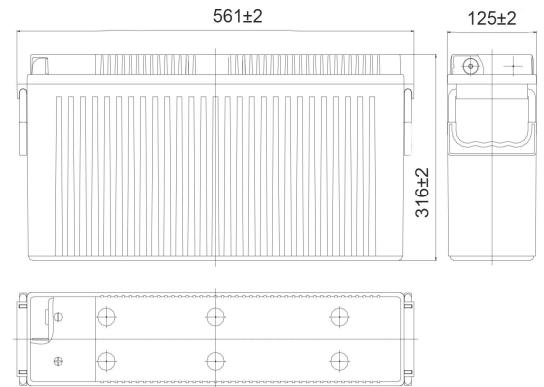
FRONT TERMINAL BATTERY FT12-190(12V190AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	190AH	
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. 55kg(±4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.4.0mΩ	
Rated Capacity	196.00AH	(20hr, 1.70V/cell,25°C/77°F)
	190.00AH	(10hr, 1.75V/cell,25°C/77°F)
	152.00AH	(5hr, 1.75V/cell,25°C/77°F)
	143.00AH	(3hr, 1.70V/cell,25°C/77°F)
	105.00AH	(1hr, 1.60V/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)

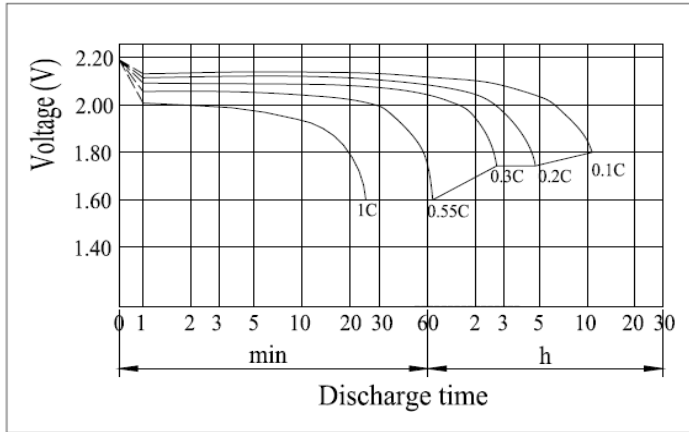
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	1120	762	521	317	194	121	94.3	74.2	62.8	54.8	36.0	18.9
1.75V/cell	1129	768	526	320	196	122	96.3	74.8	63.4	55.5	36.6	19.2
1.70V/cell	1157	775	539	328	201	123	97.5	76.6	65.0	56.4	36.7	19.2
1.67V/cell	1186	786	546	336	206	125	99.0	78.5	65.5	57.0	36.8	19.3
1.60V/cell	1238	800	557	343	209	128	101	80.0	66.4	57.5	37.0	19.4

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

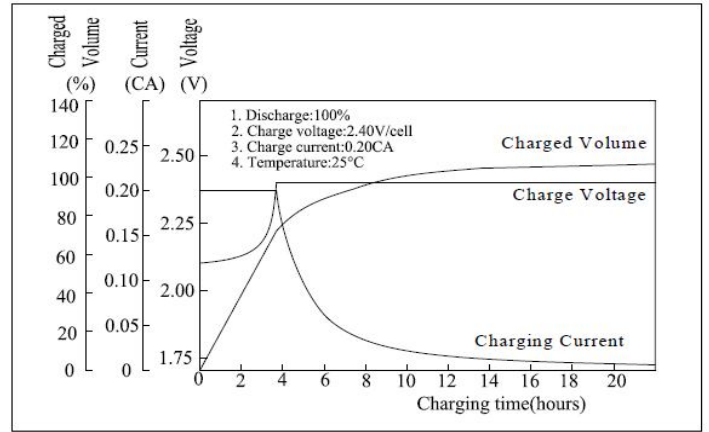
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	574	391	267	163	99.7	62.2	48.3	38.0	32.2	28.1	18.5	9.67
1.75V/cell	579	394	270	164	100	62.5	49.4	38.3	32.5	28.4	18.8	9.83
1.70V/cell	593	398	276	168	103	63.2	50.0	39.3	33.3	28.9	18.8	9.87
1.67V/cell	608	403	280	172	106	64.2	50.8	40.3	33.6	29.2	18.9	9.91
1.60V/cell	635	410	285	176	107	65.7	51.8	41.0	34.1	29.5	19.0	9.94

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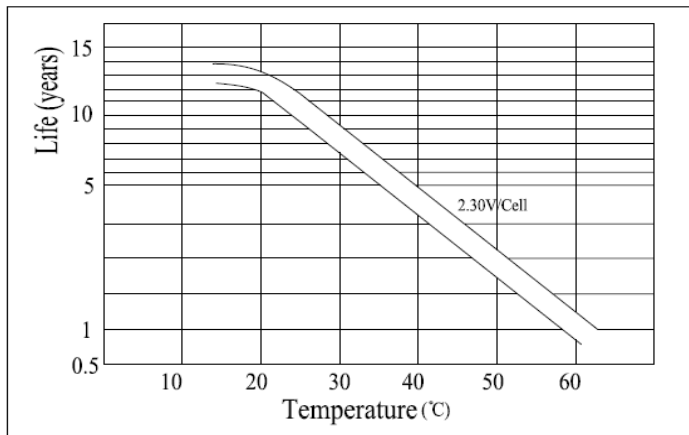
Discharge Characteristics



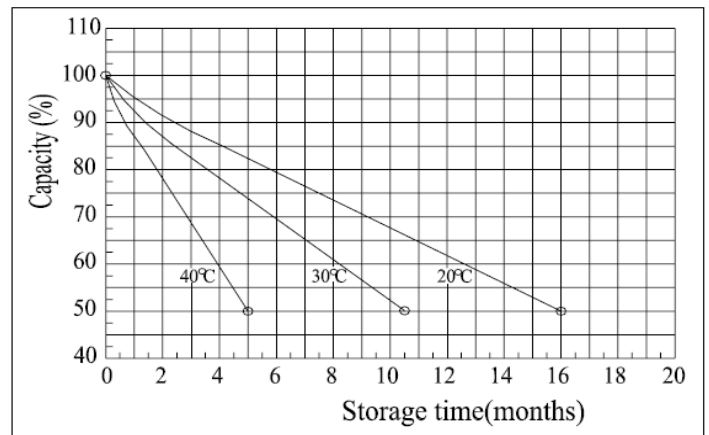
Float Charging Characteristics



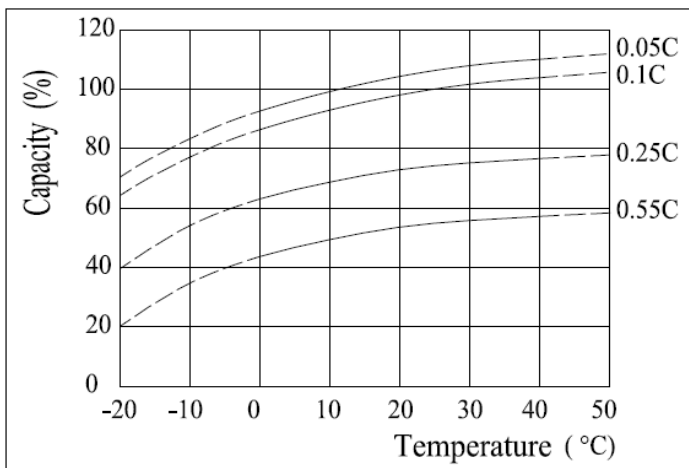
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

