

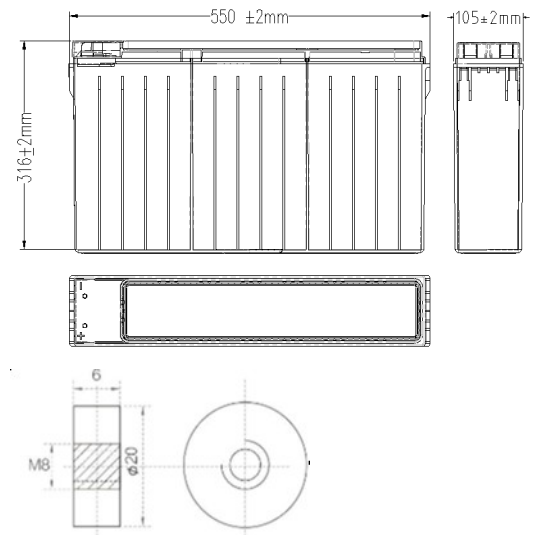
FRONT TERMINAL BATTERY FT12-125(12V125AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	125AH	
Dimension	Length	550±2mm(21.65inch)
	Width	105±2mm(4.13inch)
	Height	316±2mm(12.44inch)
	Total Height	316±2mm(12.44inch)
Approx Weight	Approx. 40.0kg(±4%)	
Terminal Type	M8	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.2.7mΩ	
Rated Capacity	130.0AH	(20hr, 1.70V/cell,25°C/77°F)
	126.0AH	(10hr, 1.75V/cell,25°C/77°F)
	115.0AH	(5hr, 1.75V/cell,25°C/77°F)
	108.0AH	(3hr, 1.70V/cell,25°C/77°F)
	76.8AH	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	1500A(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)

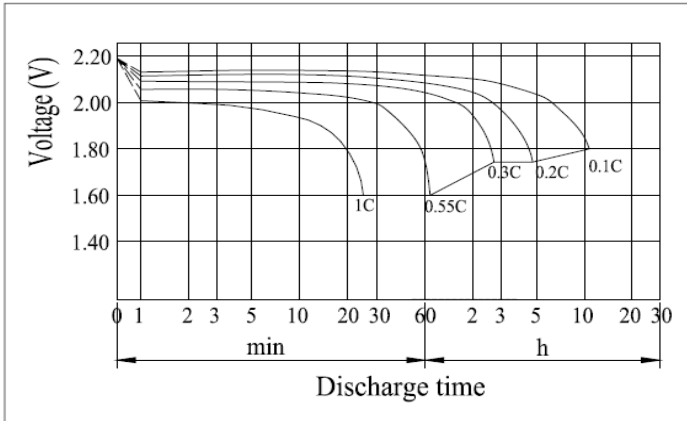
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	877	554	415	204	131	83	67,6	53,1	44,1	36,9	24,0	12,2
1.75V/cell	894	564	428	220	138	87	68,0	54,1	44,5	37,8	24,2	12,5
1.70V/cell	940	577	443	236	145	92	68,7	55,0	44,9	38,7	24,5	12,7
1.67V/cell	965	606	457	251	152	96	69,2	55,8	45,7	39,6	24,7	12,8
1.60V/cell	971	648	472	267	159	101	69,6	56,6	46,6	40,6	24,9	12,9

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

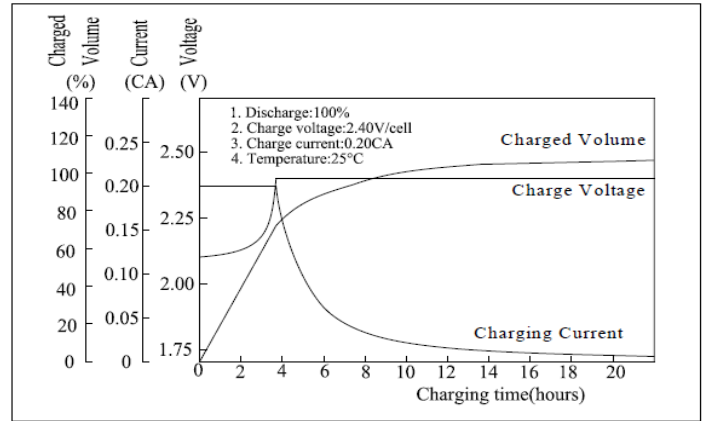
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	457	288	216	106	68,4	43,1	35,2	27,6	22,9	19,2	12,5	6,37
1.75V/cell	465	294	223	114	72,0	45,4	35,4	28,2	23,2	19,7	12,6	6,49
1.70V/cell	489	300	231	123	75,5	47,8	35,8	28,6	23,4	20,2	12,7	6,61
1.67V/cell	503	316	238	131	79,1	50,2	36,1	29,1	23,8	20,7	12,9	6,67
1.60V/cell	506	338	246	139	82,6	52,5	36,3	29,5	24,3	21,1	13,0	6,73

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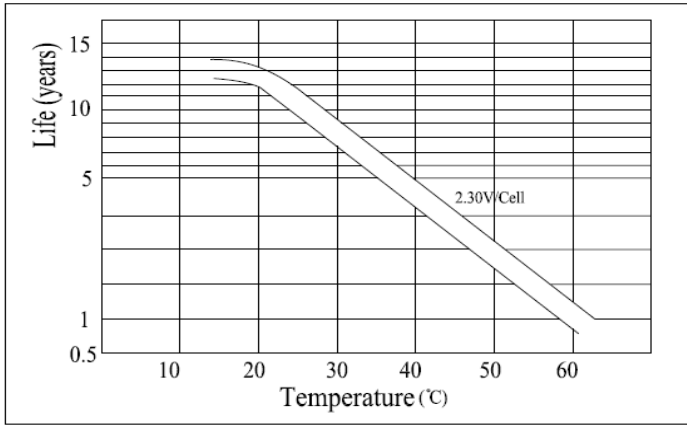
Discharge Characteristics



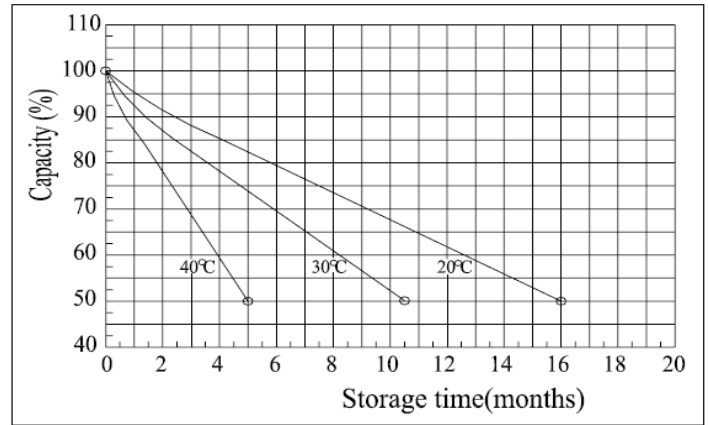
Float Charging Characteristics



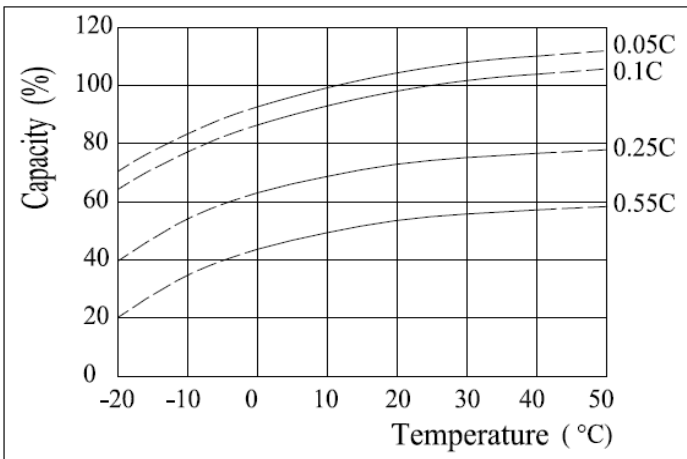
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

