

### Specifications

Nominal Voltage		
Rated Capacity (20 hour rate)		
Dimensions	Total Height (with terminals)	
	Height	
	length	
	width	
Weight		

### Characteristics

Capacity 77°F (25°C)		
Internal Resistance		
Capacity affected by Temperature (20hour rate)		
Self-Discharge 77°F (25°C)		
Max. Discharge Current 77°F (25°C)		
Terminal		
Charge (Constant Voltage)	Cycle	
	Float	

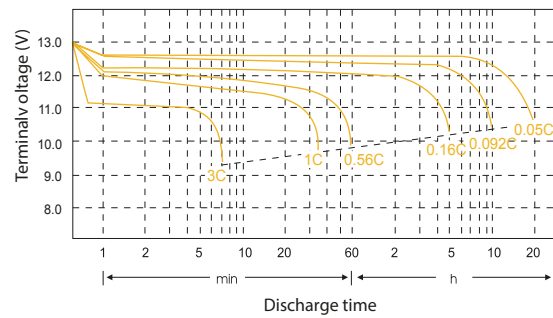
### Constant Current Discharge (AMPERES @25°C)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	4H	5H	10H	20H
1.60	91.5	58.1	42.0	25.9	15.3	8.96	6.19	4.80	3.95	2.28	1.23
1.65	89.3	56.4	40.5	25.2	15.0	8.64	6.08	4.70	3.89	2.23	1.22
1.70	85.2	54.0	38.9	24.7	14.7	8.53	6.03	4.66	3.89	2.23	1.21
1.75	81.6	51.8	38.3	24.5	14.4	8.43	6.03	4.61	3.84	2.23	1.20
1.80	76.8	51.4	37.3	23.8	14.1	8.16	5.92	4.56	3.79	2.18	1.17

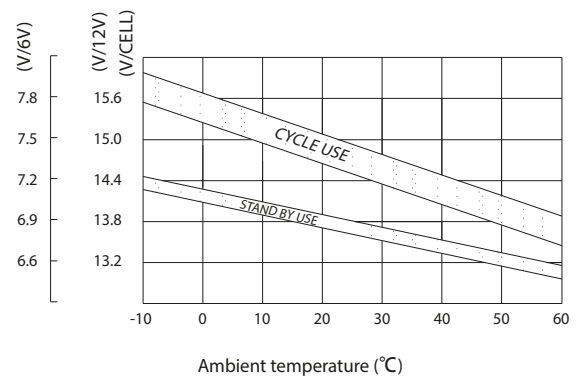
### Constant Power Discharge (WATTS PER CELL @25°C)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	4H	5H	10H	20H
1.60	170	108	80.3	49.2	27.6	17.4	12.3	9.55	7.85	4.54	2.44
1.65	166	106	77.3	48.1	27.3	16.9	12.1	9.36	7.75	4.51	2.43
1.70	158	101	74.3	47.2	26.8	16.6	12.0	9.31	7.79	4.48	2.42
1.75	152	97.8	73.1	46.8	26.1	16.4	12.0	9.22	7.68	4.48	2.41
1.80	143	96.9	71.2	45.4	25.7	16.0	11.8	9.12	7.57	4.37	2.36

### Discharge Curves 77°F(25°C)

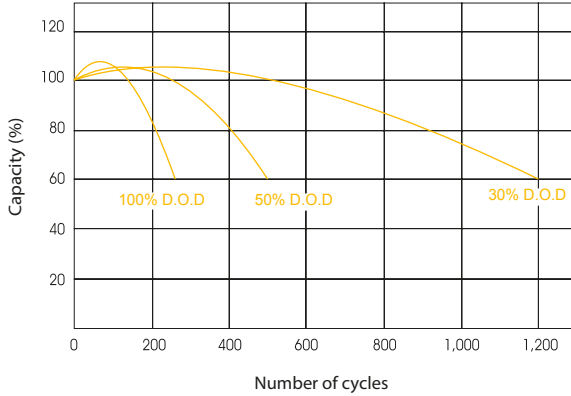


### Relationship between charge voltage and temperature

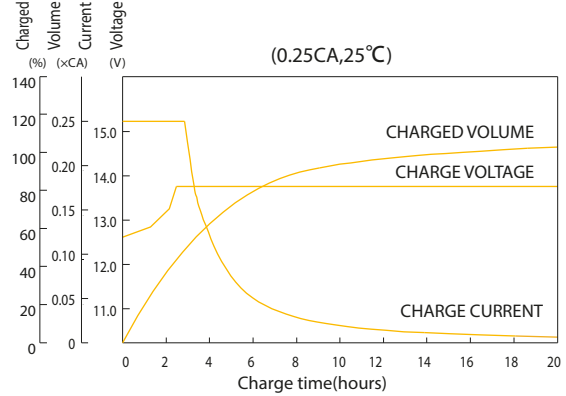


The operating environment temperature above 40°C should be avoided, After long term storage, The battery actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles. To get the longest life, ENSMART battery should be fully charged before storage.

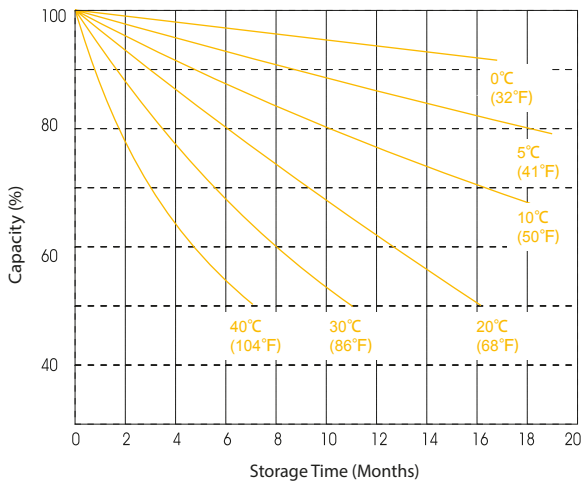
■ **Cycle service life in relation to depth of discharge**



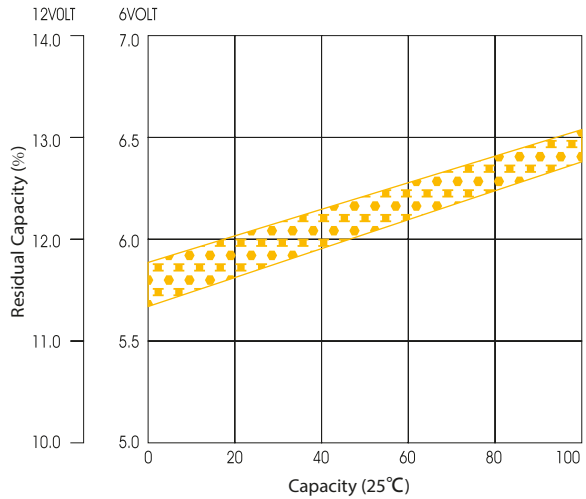
■ **Constant voltage charge characteristic**



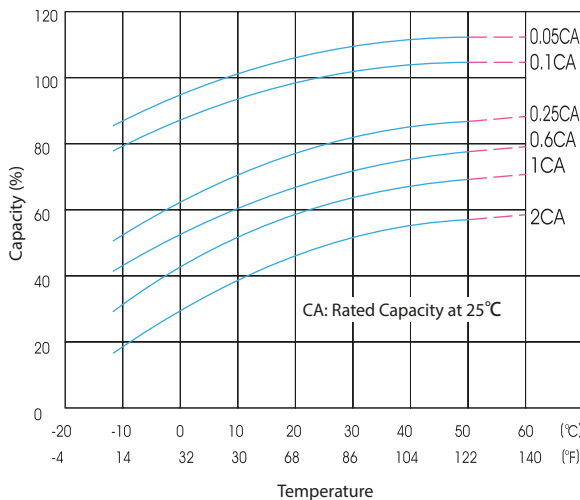
■ **Self-Discharge Characteristics**



■ **Relationship of OCV and Residual Capacity % (25°C)**



■ **Temperature effects on capacity**



■ **Temperature effects float life**

