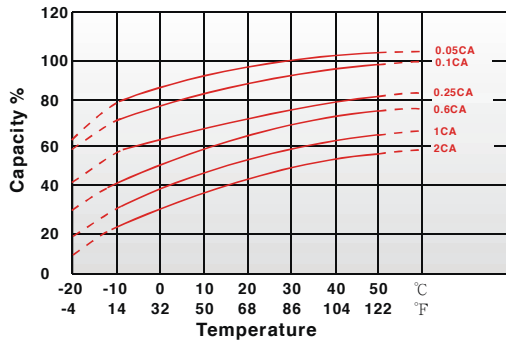
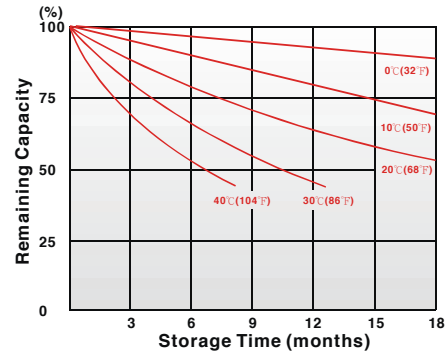




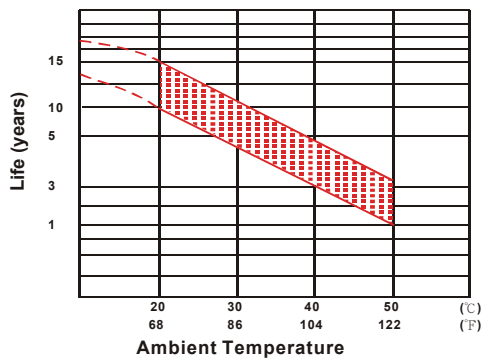
**Effect of Temperature on Capacity 25°C (77°F)**



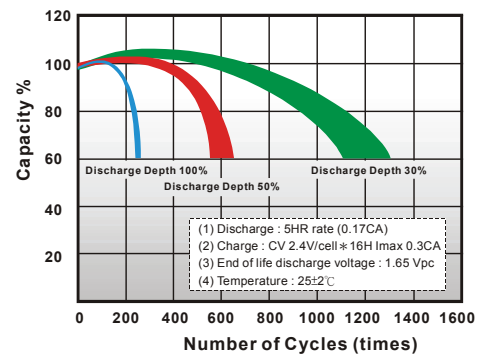
**Capacity Retention Characteristic**



**Trickle (or Float) Service Life**



**Cycle Service Life**



**Regular Charge / Float Charge / Storage**

- Charging voltage temperature compensation needs to be applied when temperature is below 0°C and above +45°C.
- Charging in temperatures below 0°C, the charge current should not exceed 0.1C as the core battery temperature can increase rapidly and damage the battery.
- During floating charge or when in storage, the life of the battery is cut in half for every 8°C temperature rise over 25°C.

**Discharge**

- Discharging at elevated temperatures improves performance of the battery yet shortens its life due to accelerated aging.
- Low temperature affects the battery internal resistance and lowers its capacity. The battery provides 100% specified capacity at 25°C. It will deliver 50% of its stated capacity at -20°C with 0.1C discharge current and 20% with 2C discharge current.

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/Cell	195.5	115.4	90.7	59.1	34.5	19.95	15.32	12.58	10.31	8.40	5.40	2.86
1.80V/Cell	199.2	117.6	92.4	60.3	35.2	20.33	15.61	12.82	10.51	8.56	5.50	2.92
1.75V/Cell	203.0	119.8	94.2	61.4	35.8	20.71	15.90	13.06	10.70	8.72	5.61	2.97
1.70V/Cell	221.3	127.0	99.8	63.8	36.5	21.08	16.18	13.29	10.89	8.88	5.71	3.03
1.67V/Cell	243.6	137.8	108.3	67.4	36.8	21.30	16.36	13.43	11.01	8.97	5.77	3.06

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/Cell	381.3	225.1	176.9	115.3	67.29	38.90	29.87	24.53	20.10	16.39	10.54	5.58
1.80V/Cell	388.5	229.4	180.3	117.5	68.58	39.64	30.44	25.00	20.48	16.70	10.73	5.69
1.75V/Cell	395.8	233.7	183.6	119.7	69.87	40.39	31.01	25.47	20.87	17.01	10.94	5.80
1.70V/Cell	431.4	247.7	194.7	124.5	71.09	41.10	31.56	25.92	21.24	17.31	11.13	5.90
1.67V/Cell	475.0	268.7	211.2	131.4	71.86	41.54	31.90	26.19	21.46	17.50	11.25	5.96