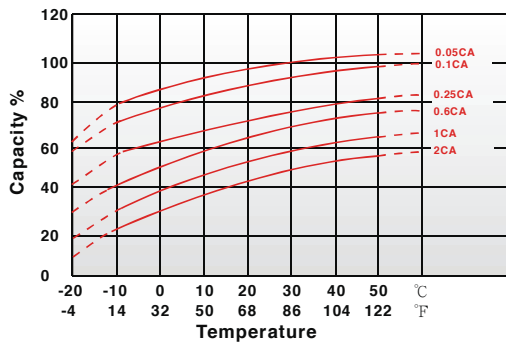
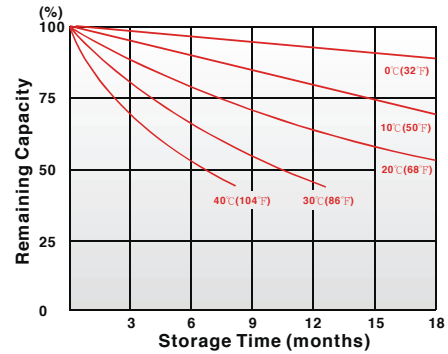


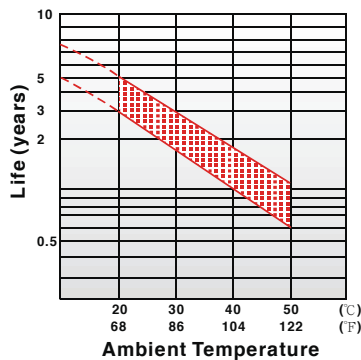
Effect of Temperature on Capacity 25°C (77°F)



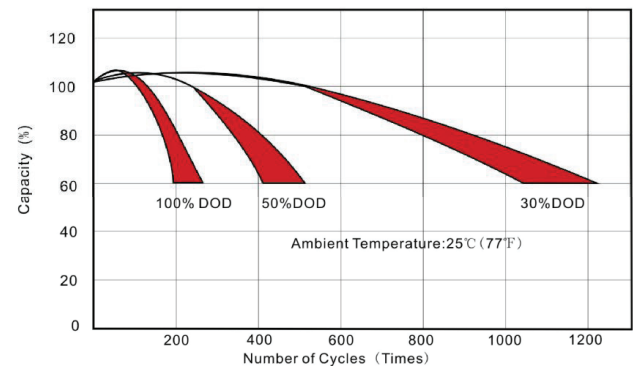
Capacity Retention Characteristic



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	10h	20h
1.85V/cell	116.00	74.10	56.50	30.70	22.70	12.60	9.27	7.34	6.43	3.52	1.87
1.80V/cell	140.00	89.00	66.40	34.90	23.40	13.10	9.62	7.63	6.68	3.70	1.95
1.75V/cell	157.00	99.20	73.30	38.70	23.80	13.50	9.84	7.88	6.84	3.87	2.03
1.70V/cell	168.00	105.00	77.80	40.00	24.20	13.80	10.00	8.06	6.98	3.98	2.07
1.67V/cell	171.00	107.00	79.10	40.90	24.40	13.90	10.10	8.09	7.02	4.02	2.09
1.60V/cell	178.00	111.00	81.40	42.90	24.90	14.30	10.40	8.21	7.13	4.12	2.14

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

F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	1243.00	741.00	617.00	354.00	263.00	155.00	113.00	89.10	81.40	41.60	21.30
1.80V/cell	1509.00	914.00	734.00	416.00	272.00	161.00	117.00	91.60	83.60	42.90	22.50
1.75V/cell	1701.00	1038.00	815.00	459.00	279.00	164.00	120.00	93.40	85.20	44.10	23.60
1.70V/cell	1825.00	1117.00	867.00	487.00	284.00	167.00	122.00	95.00	86.60	45.30	24.50
1.67V/cell	1857.00	1136.00	881.00	494.00	286.00	168.00	123.00	95.50	87.20	45.80	24.90
1.60V/cell	1928.00	1183.00	918.00	510.00	291.00	172.00	126.00	97.20	88.70	47.20	26.10