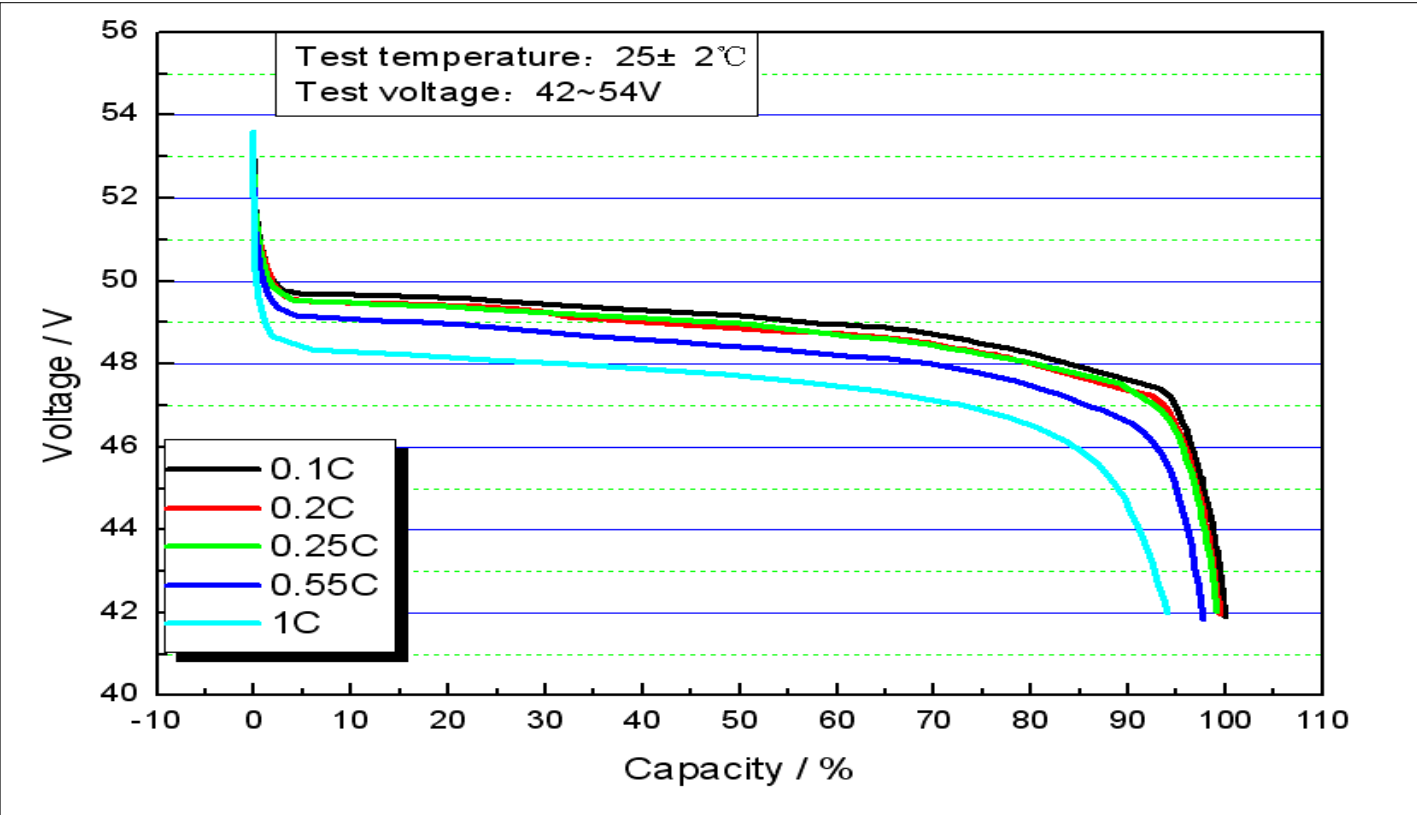


Performance Test Condition

1. Performance covers all series of 48V low voltage(parallel connection) RESS products, that means it covers the US2000/Phantom-S/US3000.
2. All the data didn't involved temperature as a factor for comparison is measured at 25°C.
3. All the data didn't involved charge/discharge C-rate(current) as a factor for comparison is measured at: (1) 0.5C for cycle times, (2) 0.2C for EOL capacity;
4. All the data didn't involved End of Life(EOL, % against initial capacity) as a factor for comparison is measured at 70%EOL.
5. All the factors involved in each curve for comparison, is tested in the same condition. For instance, if the 'varying C-rate & cycle times' is being compared, then the EOL and temperature condition will remain the same.
6. The temperature rising during all the testing, especially in the most critical 1C condition, is within 5°C for a full cycle(fully charge and discharge).
7. Charge termination is current $\leq 0.02C$ & voltage = 54VDC; Discharge termination is voltage =42VDC.

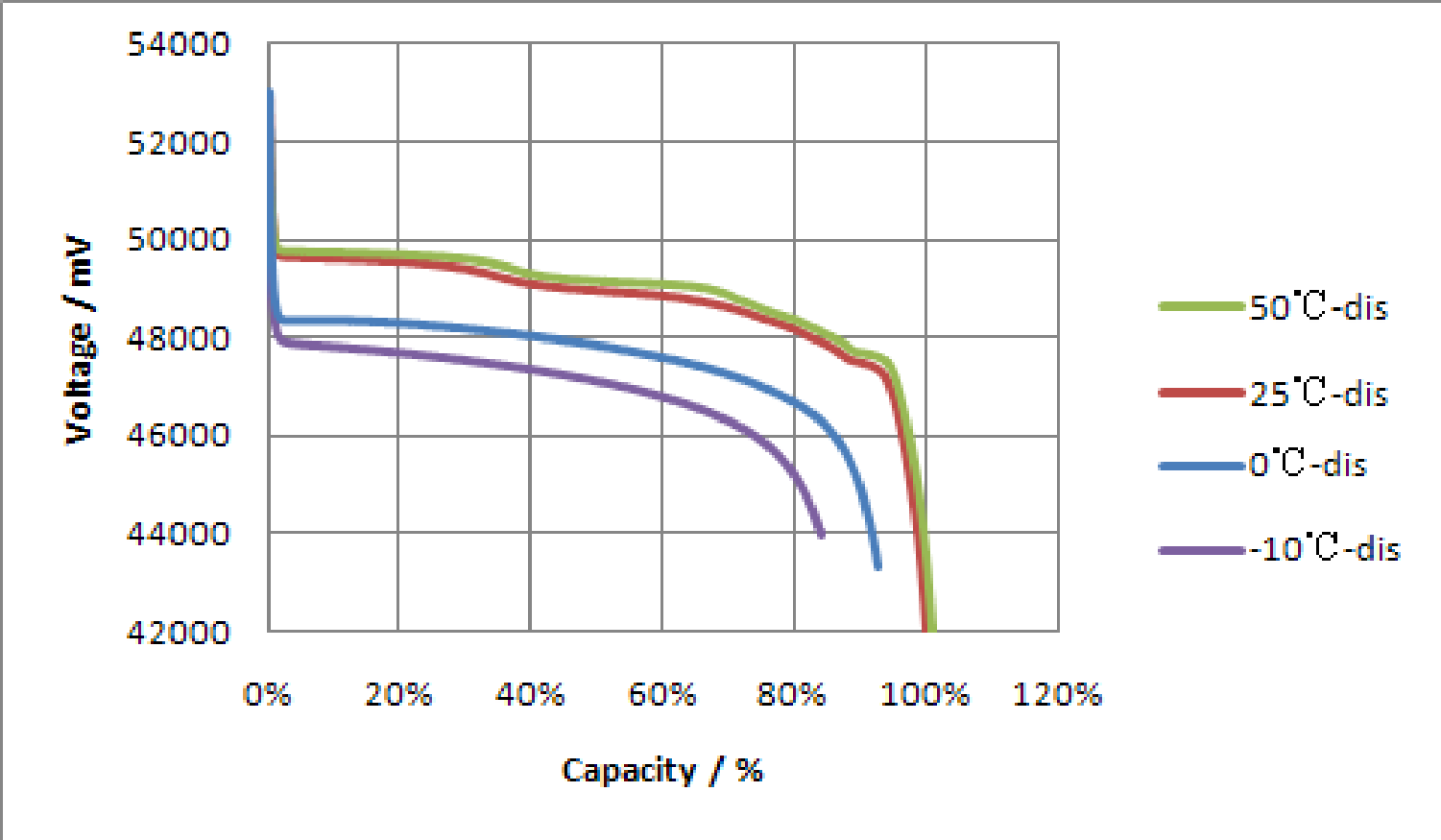
Capacity vs. Discharge rate

PYLON Battery, has high valid capacity even when the discharging rate be at 1C (50A).

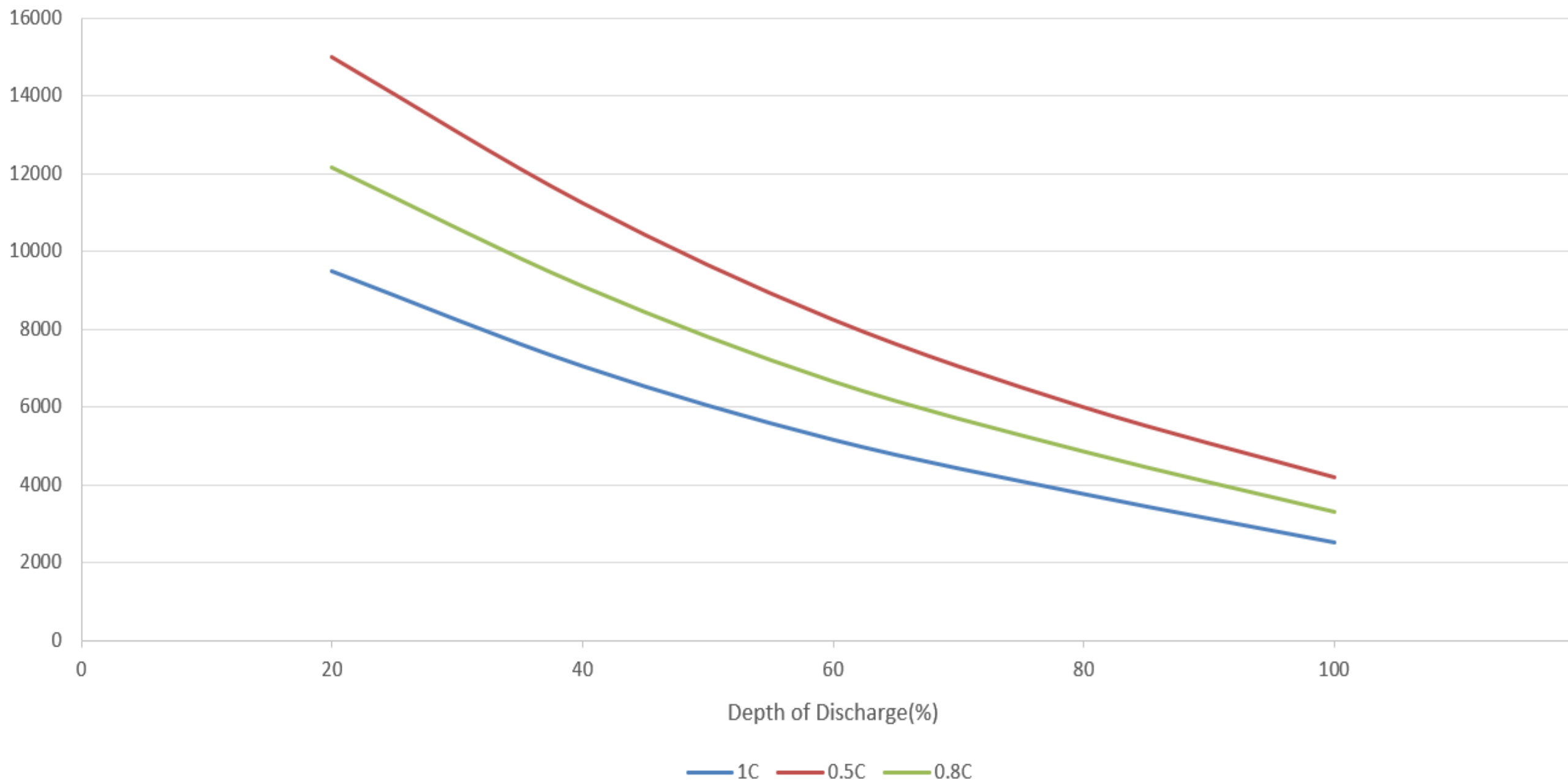


Capacity vs. Temperature

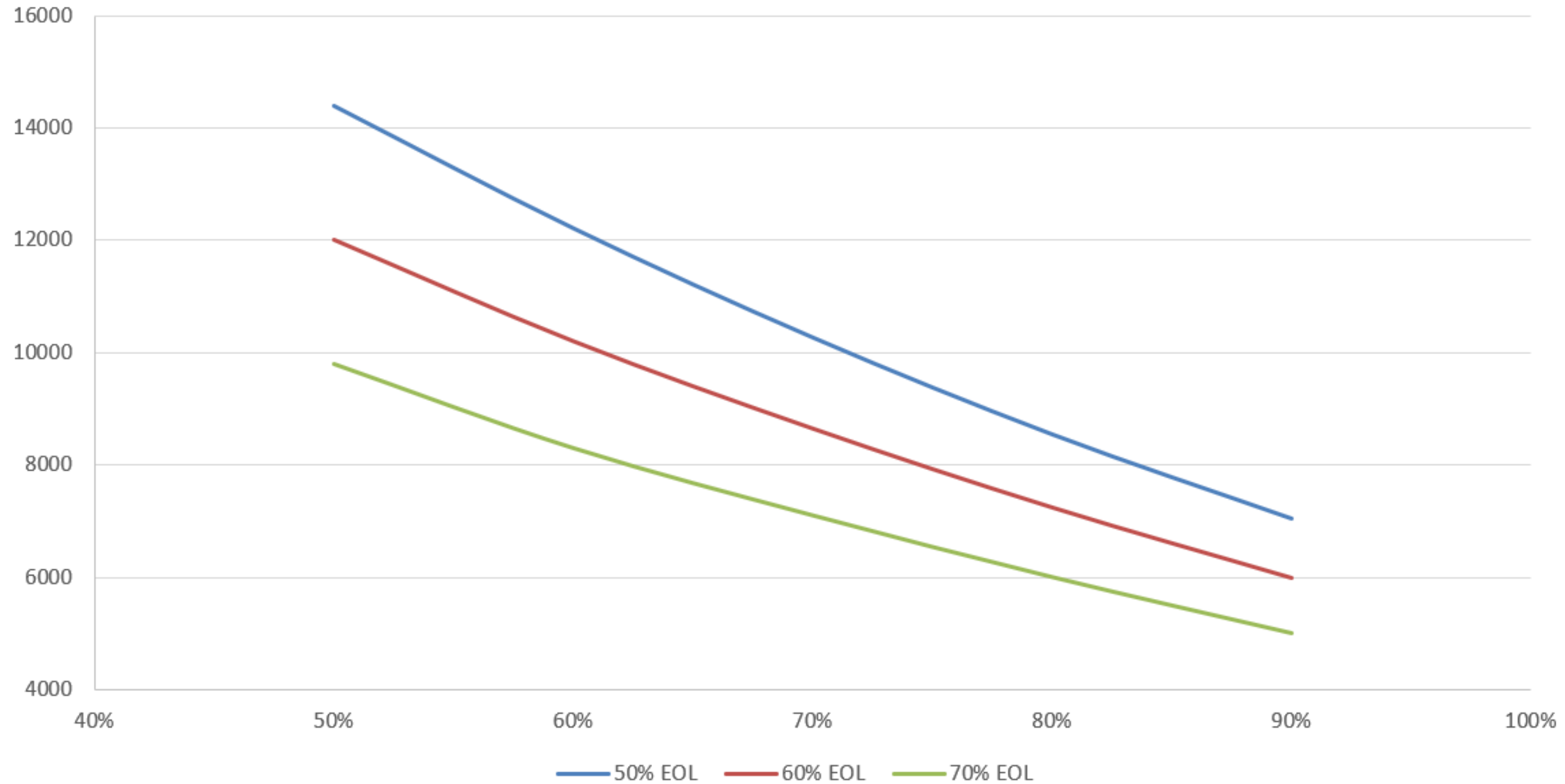
PYLON Battery, will discharge more than 80% capacity even when it be at -10 degree.



Cycle Life VS DOD @ varying C-rate

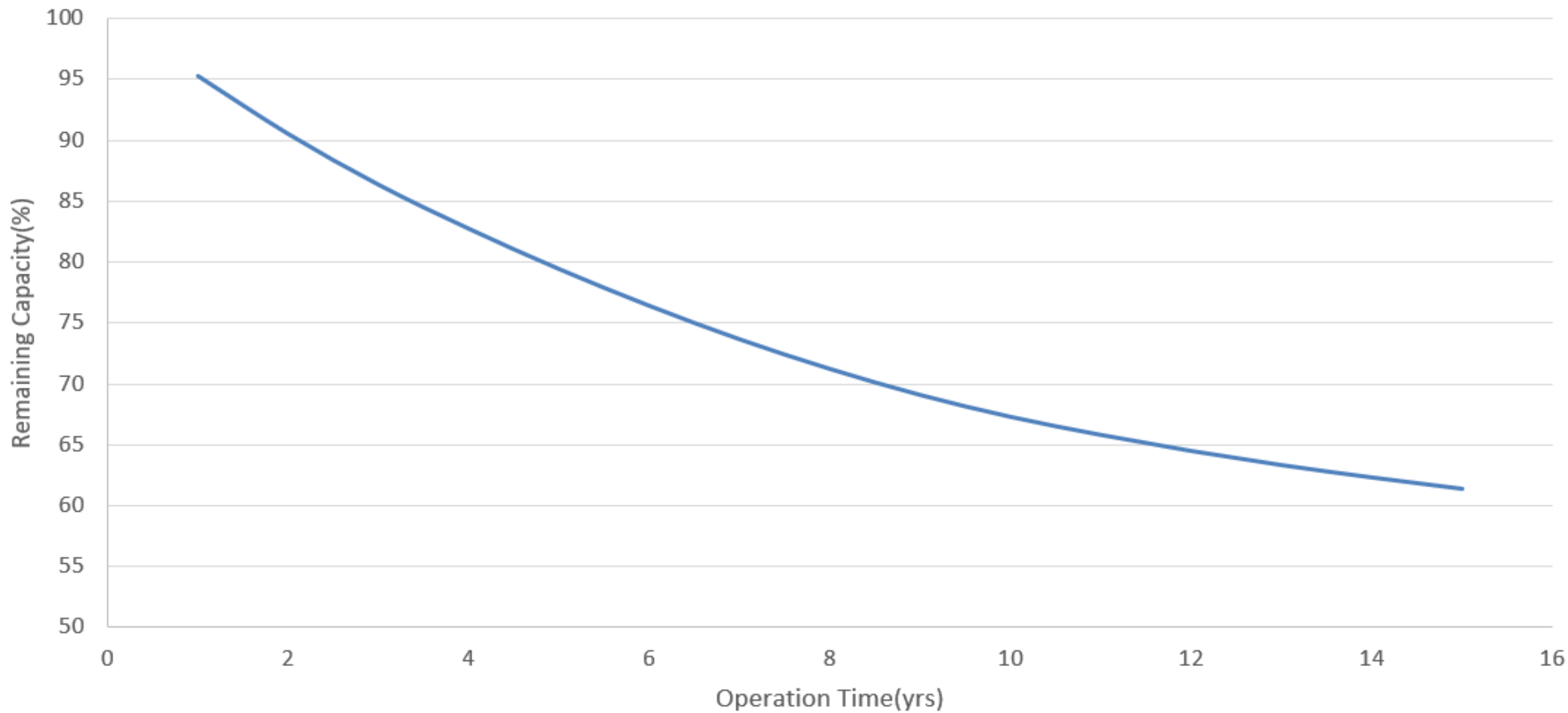


Cycle Life VS DOD @ varying EOL

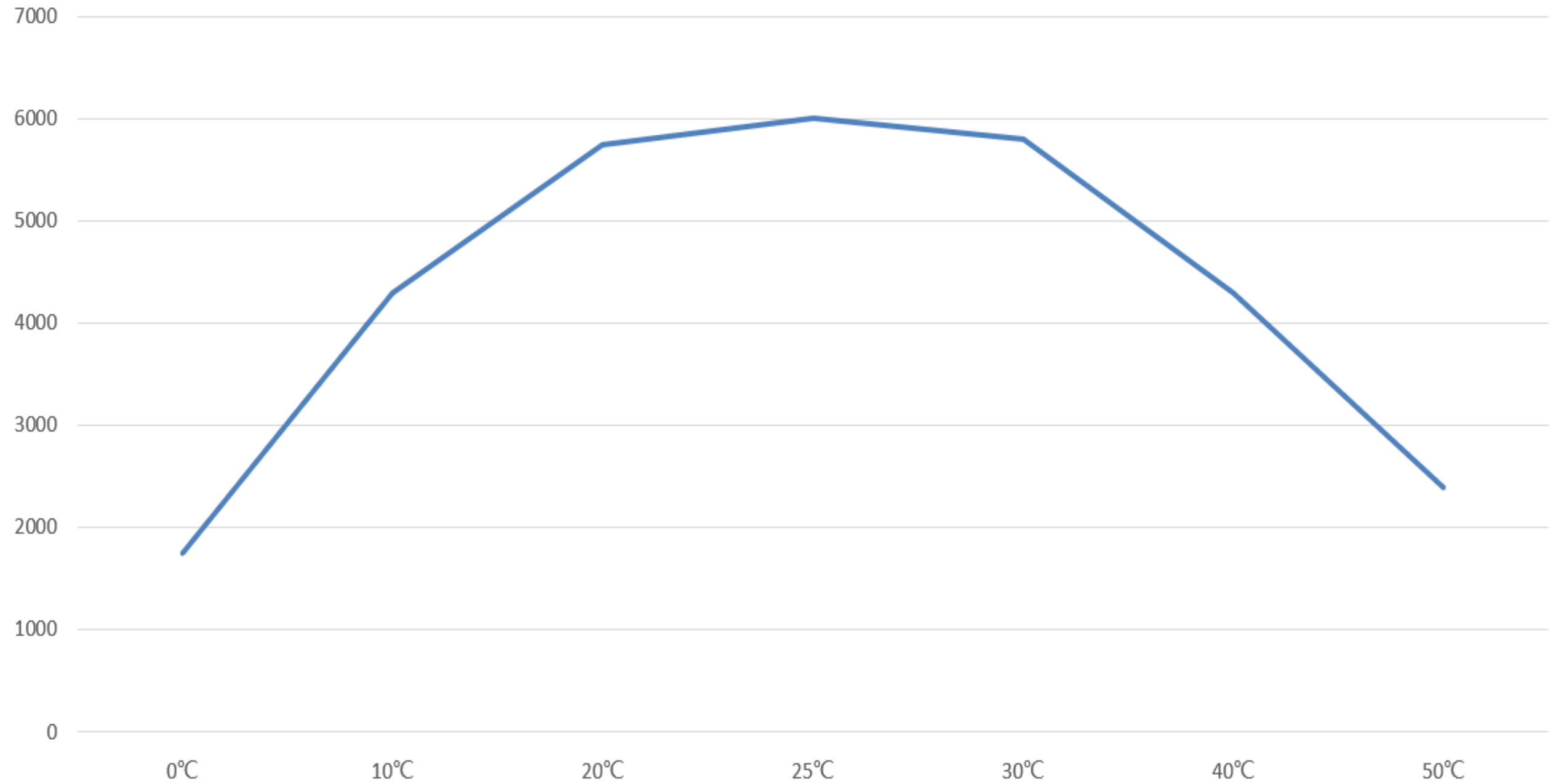


Capacity Degradation

(@25°C, 90%DOD, 1cycle per day)

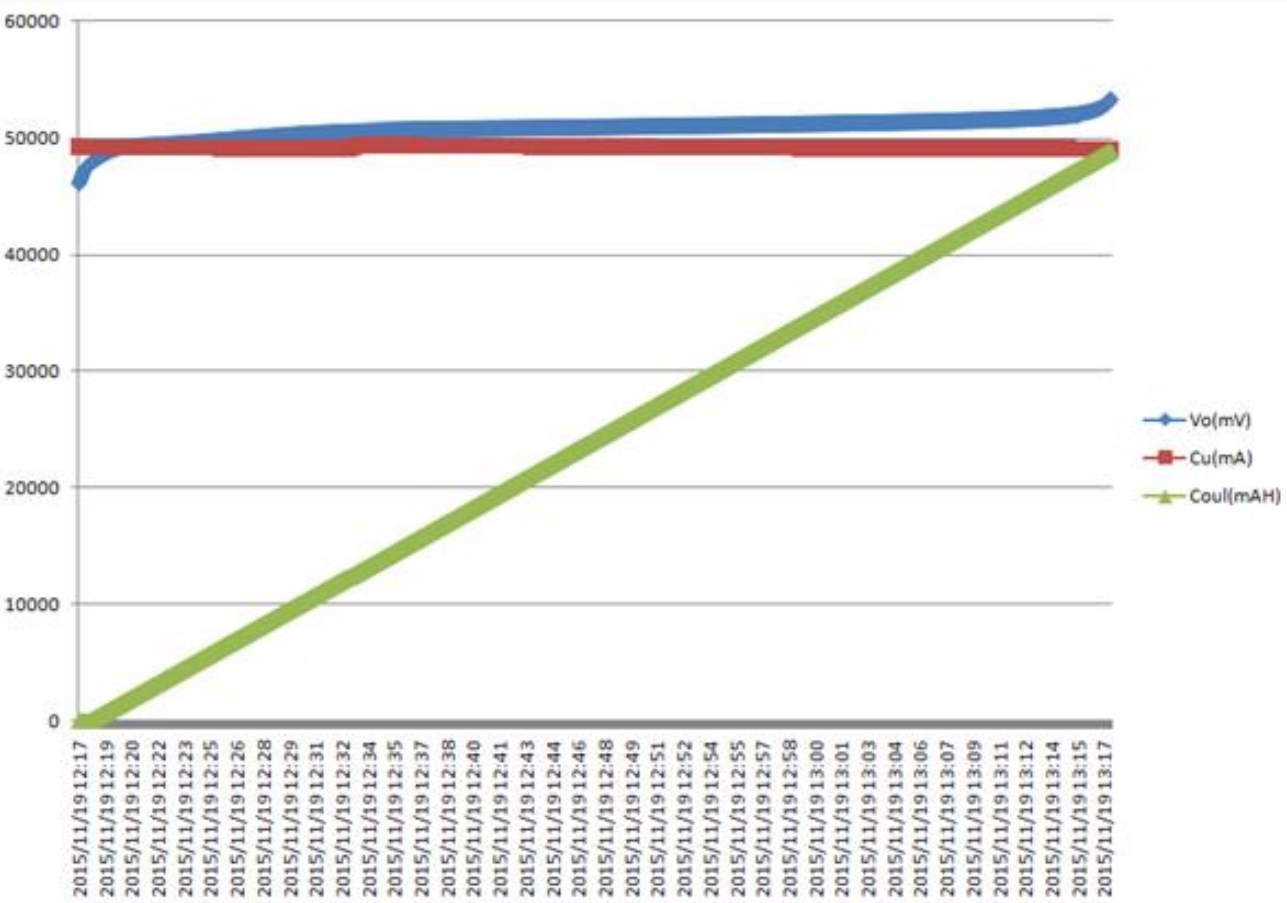


Cycle Life VS Temperature



Capacity vs. Temperature

PYLON Battery, charge in 1C



Capacity vs. Temperature

PYLON Battery, discharge in 1C

