

Apple has been focused on improving the battery chemistry and performance of the batteries used in its devices, with the goal of achieving longer battery life and better overall battery performance. Battery degradation mitigation: Apple is focused on extending the usable lifespan of batteries in its devices by developing advanced battery management algorithms and thermal control systems to minimize capacity loss and performance degradation over time. By continuously improving the battery chemistry and performance in its devices, Apple aims to provide users with longer-lasting, more reliable, and more efficient battery experiences, enhancing the overall user experience and supporting its sustainability goals. This includes exploring new electrode materials, electrolyte formulations, and battery management systems to enhance energy density, charge/discharge rates, and cycle life. Some key areas that Apple is exploring to improve battery chemistry include: 1.2.3.4.5.