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Supplementary information

Exploring the Charge Reactions in Li-O_2 System with Lithium Oxide Cathodes and Nonaqueous Electrolytes

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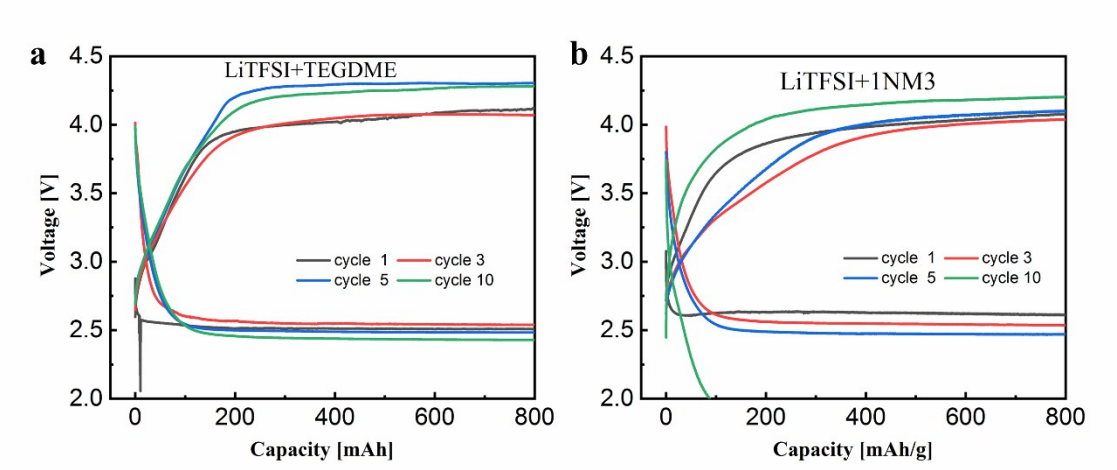

Figure S1. Voltage profiles of Li-O_2 battery in the different electrolyte. (a) LiTFSI+TEGDME, (b) LiTFSI+TEGDME. Constant currents of 50 μA/cm^2 with MnO_2 as the catalyst.

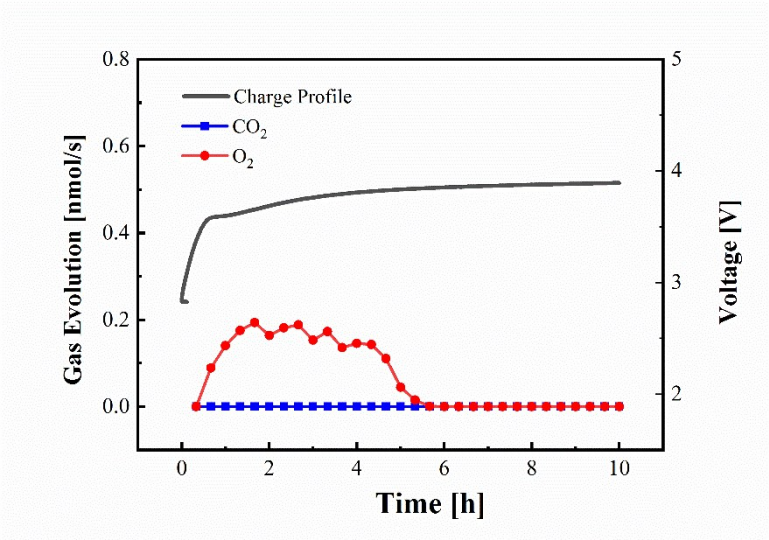

Figure S2. DEMS results of lithium peroxides at LiTFSI+1NM3 electrolyte during the charge with constant currents of 50 μA/cm²