

Supplementary information

High-voltage aqueous supercapacitors based on NaTFSI

David Reber,^{ab} Ruben-Simon Kühnel*^a and Corsin Battaglia^a

^aEmpa, Swiss Federal Laboratories for Materials Science and Technology, 8600 Dübendorf, Switzerland

^bÉcole Polytechnique Fédérale de Lausanne, Institut des Matériaux, 1015 Lausanne, Switzerland

E-mail: ruben-simon.kuehnel@empa.ch

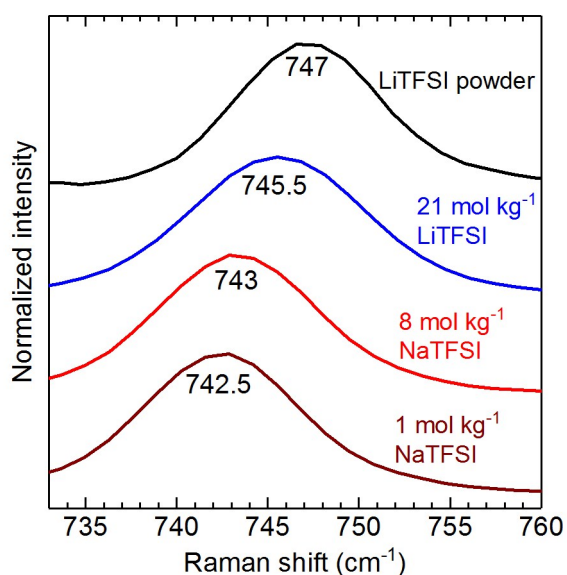


Fig. S1 Raman spectra of 1 mol kg⁻¹ NaTFSI, 8 mol kg⁻¹ NaTFSI, 21 mol kg⁻¹ LiTFSI, and LiTFSI powder in the wavenumber region of the major TFSI⁻ mode.

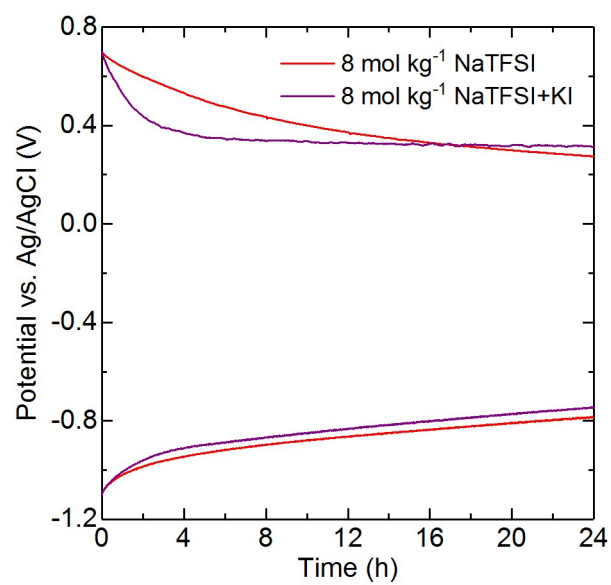


Fig. S2 Self-discharge test of supercapacitors containing 8 mol kg⁻¹ NaTFSI or 8 mol kg⁻¹ NaTFSI + 0.5 mol kg⁻¹ KI as the electrolyte, respectively.