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Phenyl Vinylsulfonate, a Novel Electrolyte Additive to Improve Electrochemical Performance of Lithium-Ion Batteries

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Supplementary Materials

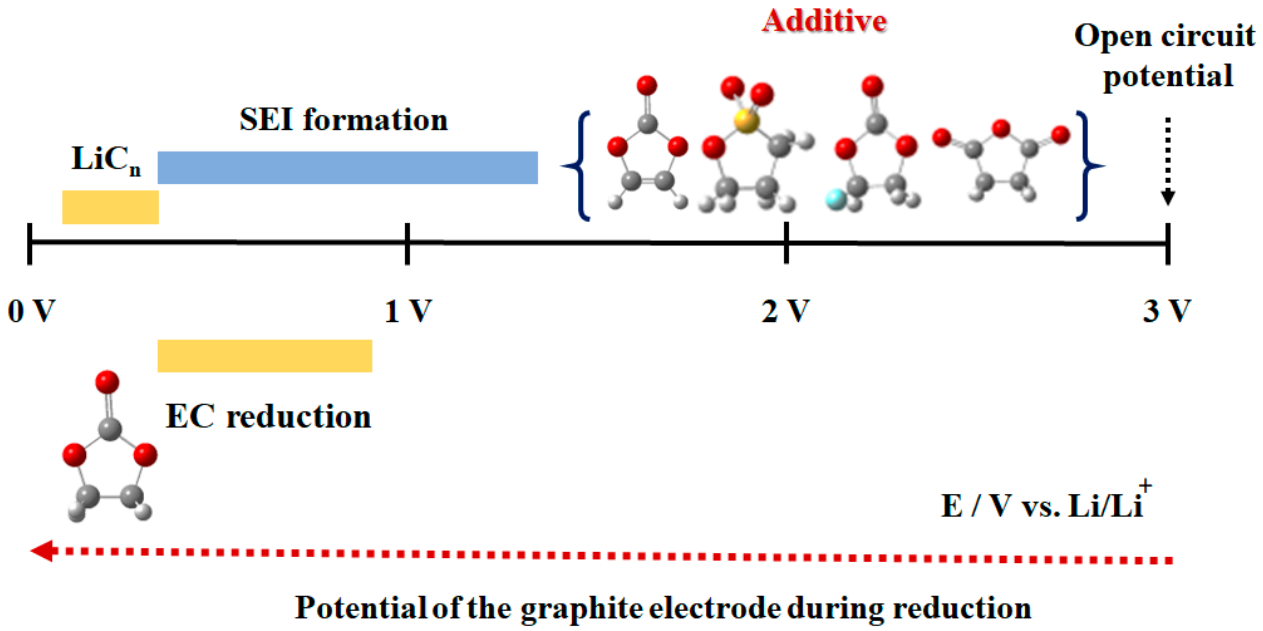


Figure S1. Schematic representation of solid electrolyte interphase (SEI) formation in the potential range of 0.6–1.3 V vs Li^+/Li and the role of SEI additives.

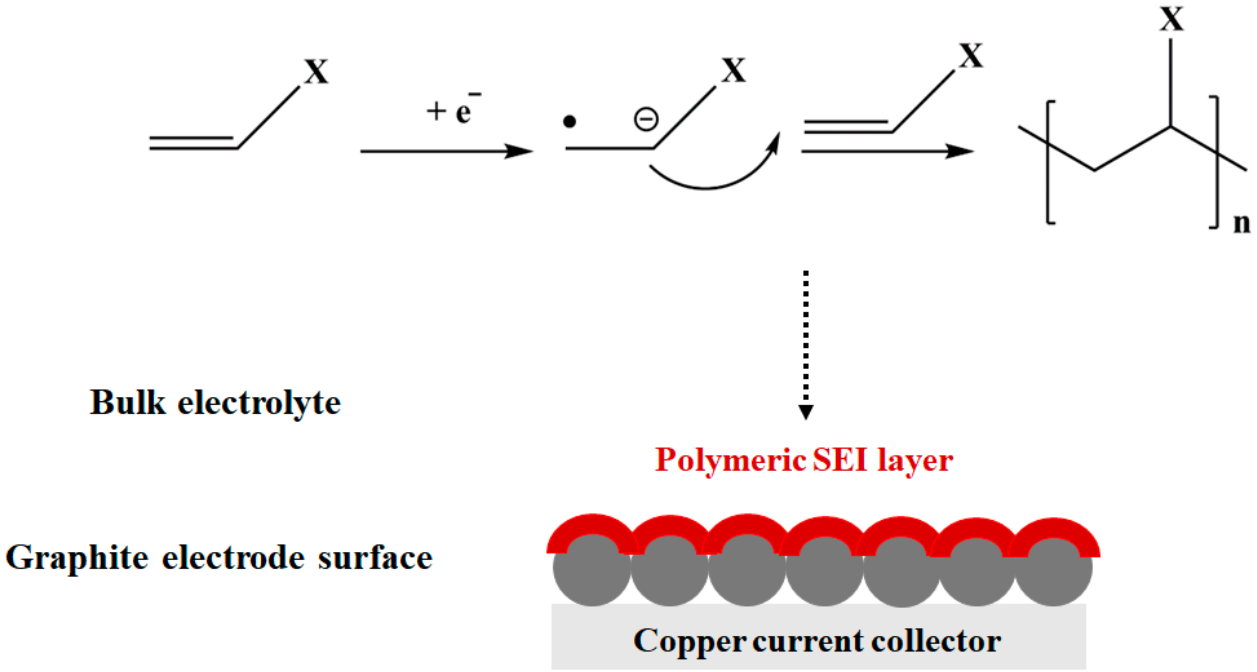


Figure S2. Polymerization mechanism of SEI additives containing multiple bonds.

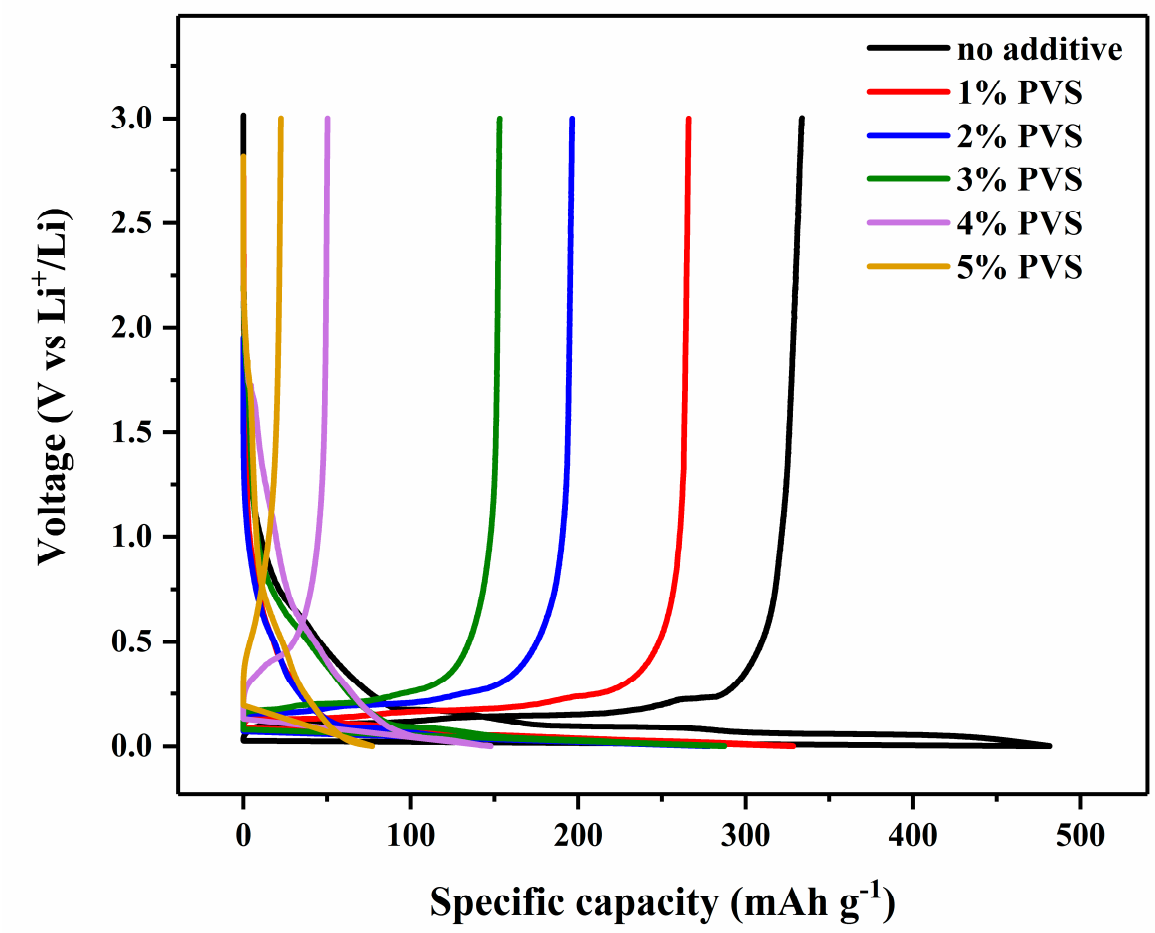


Figure S3. The first charge/discharge cycle of Li/graphite half-cells with different contents of PVS in the voltage range of 0.001–3 V and the C-rate of 0.1C.