

Supporting Information for

Aqueous Binder Effects of Poly(acrylic acid) and Carboxy Methylated Cellulose on Anode Performance in Lithium-Ion Battery

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Table S1 equivalent circuit analysis

	PAA		CMC		PAA/CMC	
	OCV	7 th	OCV	7 th	OCV	7 th
ESR ^a (Ω)	1.81	2.27	1.78	2.01	1.907	2.031
R _{ct} ^b (Ω)	44.81	56.25	66.95	15.42	183.7	14.27
Z _{W-R} ^c (Ω)	10.11	92.73	50.69	130.0	138.6	12.22

^aESR: equivalent series resistance.

^bR_{ct}: charge-transfer resistance.

^cZ_{W-R}: Warburg resistance.