
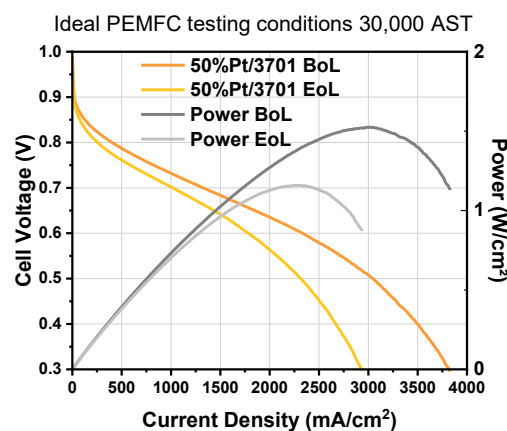
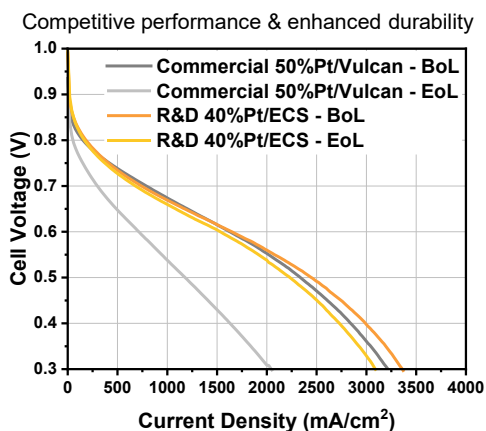
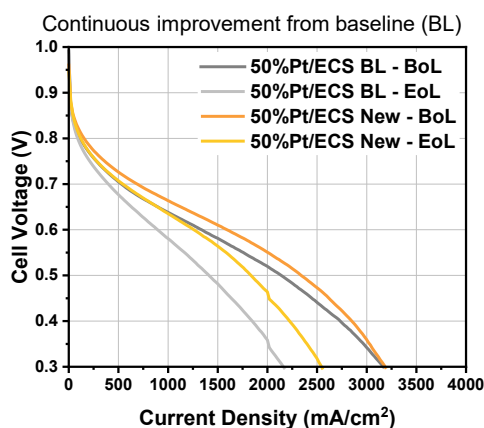


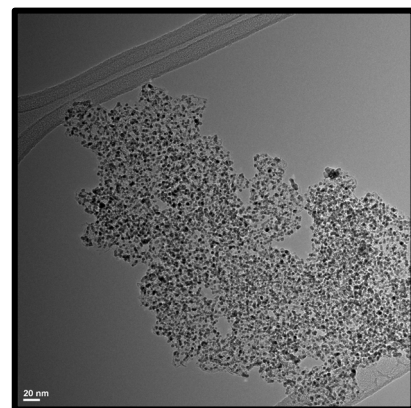
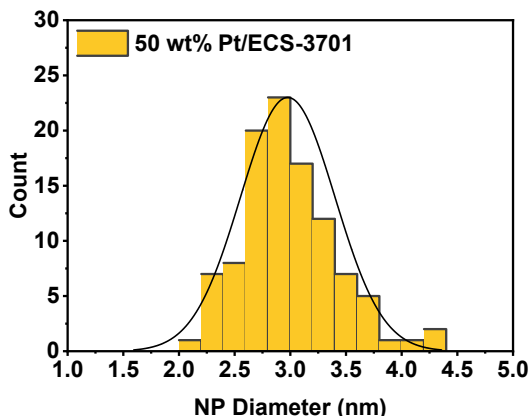
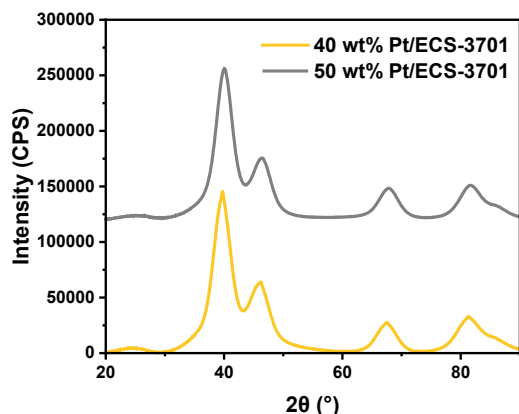
Our platinum over ECS (Pt/ECS) products include a series of advanced electrocatalyst materials developed over many years for use in fuel cell and electrolyzer applications. Our metal deposition process enables tight control over particle size & size distribution, enabling more efficient platinum utilization. These core products have been updated, with improvements to cost, performance, and capacity. Our Pt/ECS is manufactured up to kg+ quantities, and our manufacturing capacity is scaling rapidly. We offer Pt on all of our ECS varieties at 40 wt% and 50 wt% Pt loading levels.

 PRODUCT HIGHLIGHTS	Description	BoL Mass Activity (A/mg _{Pt})	BoL ECSA (m ² /g _{Pt})
Pt/ECS-3701	Platinum over Mesoporous Carbon	0.316	74.6
Pt/ECS-4601		0.246	76.0




Additional Features and Tunability

Our advanced metal deposition process allows for targeted catalyst syntheses to control composition, particle size, and particle size distribution to tight tolerances



Our Pt/ECS is unique and processes differently than conventional carbons. For recommendations on ink and coating formulations, please reach out.

 CATALYST CHARACTERIZATION	BET Surface Area (± 50 m ² /g)	Pt Crystallite size (nm)	Polydispersity Index	Metal Loading Range (wt %)
	400 – 600+ m ² /g	2 – 4	0.016-0.020	40 & 50

Please inquire for more details.

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