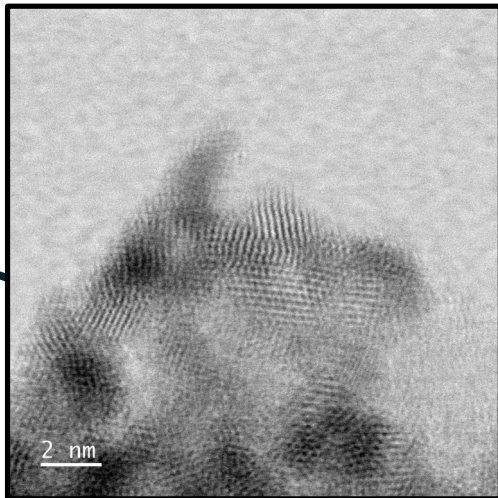




IrO_x Specifications

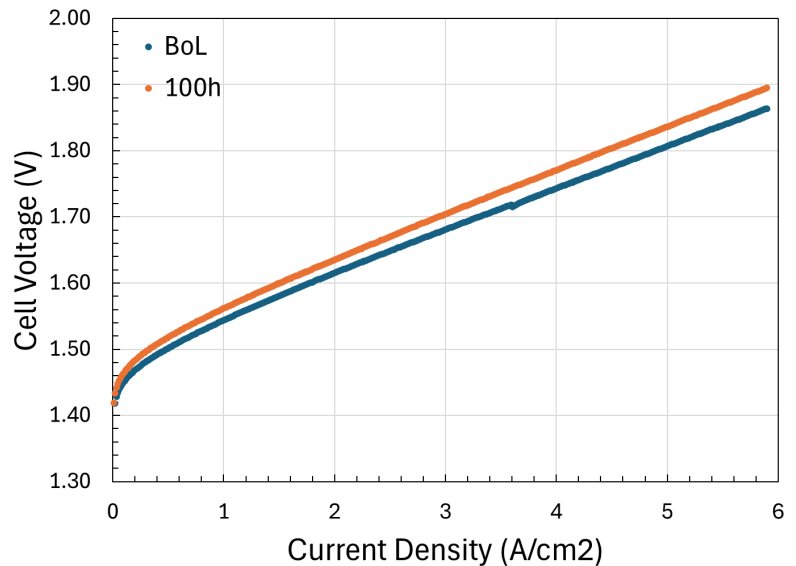
EEC-D10901, Iridium Oxide, #222
Specific Surface Area:
~ 187.3 m²/g ± 6.5 m²/g (BET)
IrO₂ crystallite size:
~2.6 nm at 2θ = 35.0°
(Scherrer Method)

Pajarito Powder iridium oxide materials exhibit very high surface areas and superior Beginning of Life (BoL) and End of life (EoL) performance with lower loadings than standard PEM OER materials.



Pajarito Powder iridium oxide features superior durability and excellent stability and performance, even at low loadings with standard components and no system optimization.

Performance



Anode

Catalyst: EEC-010901, lot Ir222

Ionomer: D2020

Loading: 0.7 mg_{Ir}/cm²

Fabrication method: Decal transfer

Cathode

Catalyst: 50 wt% Pt/3701, lot 0424-02

Ionomer: D2020

Loading: 0.3 mg_{Pt}/cm²

Fabrication method: Decal transfer

Membrane

Pre-treated NR212

Operating Conditions

3 A/cm² at 1.7 V