

E-5 Cathode

The Electric Fuel Air Electrode

High Performance and Low Cost for Metal Air Batteries and Fuel Cells



The Electric Fuel E-5 Air Electrode is designed for oxygen reduction in high power applications. The E-5 Cathode is currently used in prototype applications in various alkaline fuel cells requiring high power. It can be used in metal-air batteries, AFCs, DBFCs, air depolarized batteries, or any application requiring gas diffusion electrodes.

Technical Specifications

Components

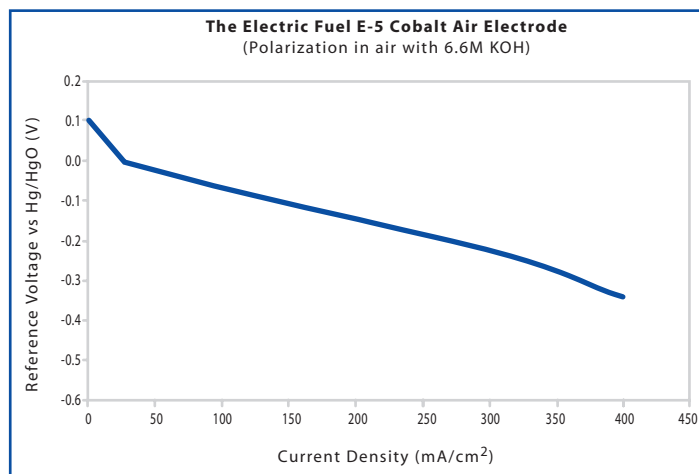
Active Layer	Cobalt based catalyzed carbon
Blocking Layer	laminated porous Teflon [®] film
Separator Layer	laminated microporous film with non-woven (optional)

Dimensions

Width	8.9 cm (custom widths up to 10 cm)
Length	unlimited / roll length 85 m
Thickness	0.5 mm

Performance

Nominal Current Density	<400 mA/cm ²
Voltage (ref. Hg/HgO)	
at 50 mA/cm ²	-0.030
at 300 mA/cm ²	-0.230



Electric Fuel has been producing Air Electrodes for over 15 years for a large range of diverse applications from pocket chargers to electric vehicles. Our highly experienced team can deliver to you a high quality, low cost Air Electrode in large quantities for your application. We can supply an off-the-shelf product, or our team can work with you to custom design an Air Electrode suited to your application.

Electric Fuel is an ISO9001 company, with years of experience manufacturing products which adhere to the strictest international and military standards. Our team has expertise in working with government agencies, the military and large original equipment manufacturers.

Electric Fuel[®]

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