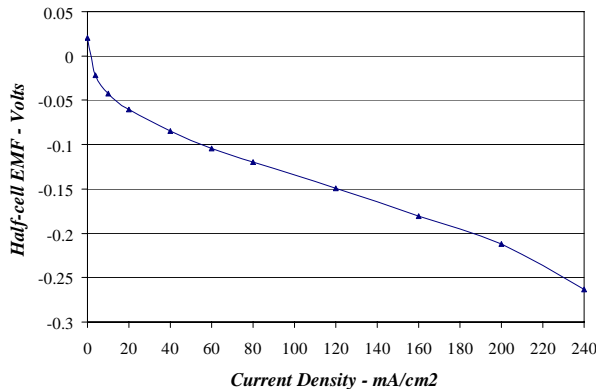


# ALUPOWER

## AC75 Technical Data Sheet

- Product Name:** Air Cathode
- Applications:** A high performance air cathode designed for use in alkaline metal-air or metal-oxygen cells.
- Operating Range:** AC75 is used in applications where the current density is typically over 150 milliamps per square centimeter.
- Operating Life:** Life in excess of 1,000 hours has been demonstrated in several applications.
- Thickness:** 0.5 mm (nominal)
- Basis Weight:** 492 grams per square meter (nominal)
- Safety:** AC75 does not contain mercury, cadmium, lead, lithium or other dangerous materials.
- Physical Description:** AC75 is a 4-layer laminate consisting of (a) A current collector of nickel-expanded mesh, (b) Two reactive layers, one on each side of the current collector, and (c) A microporous PTFE film on the air side. The product is flexible, strong and chemically resistant to a wide range of substances.
- Catalyst:** COTMPP
- Dimensions:** AC75 is available in widths of ten inches and unlimited length.

Polarization Voltage of Alupower AC75 Cathode. 5M KOH electrolyte.  
Hg/HgO reference electrode. 60°C.



Current Density mA/cm <sup>2</sup>	Air EMF/Volts
0	0.02
4	-0.022
10	-0.042
20	-0.06
40	-0.085
60	-0.104
80	-0.12
120	-0.149
160	-0.181
200	-0.212
240	-0.263

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