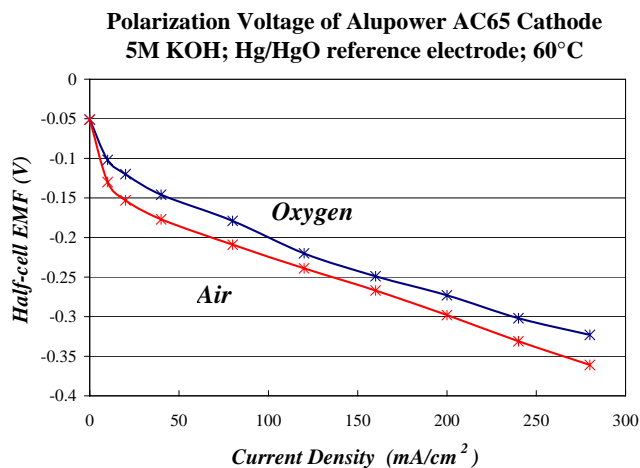


# ALUPOWER

## AC65 TECHNICAL DATA SHEET

- Product Name:** Air Cathode
- Application:** A general-purpose, silver catalyzed air cathode designed for use in alkaline electrolytes for metal-air cells.
- Operating Range:** AC65 is used in applications where the current density is below approximately 150 milliamps per square centimeter.
- Operating Life:** Life in excess of 1000 hours has been demonstrated in several applications.
- Thickness:** 0.5mm (nominal)
- Basis Weight:** 492 grams per square meter (nominal)
- Safety:** AC65 does not contain mercury, cadmium, lead, lithium, or other dangerous materials.
- Physical Description:** AC65 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:** AgNO<sub>3</sub>
- Dimensions:** AC65 is available in widths of up to ten inches and unlimited length.



Current Density (mA/cm <sup>2</sup> )	Oxygen EMF (Volts)	Air EMF (Volts)
0	-0.051	-0.051
10	-0.102	-0.13
20	-0.12	-0.153
40	-0.146	-0.177
80	-0.179	-0.209
120	-0.22	-0.239
160	-0.249	-0.267
200	-0.273	-0.298
240	-0.302	-0.331
280	-0.323	-0.361

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