

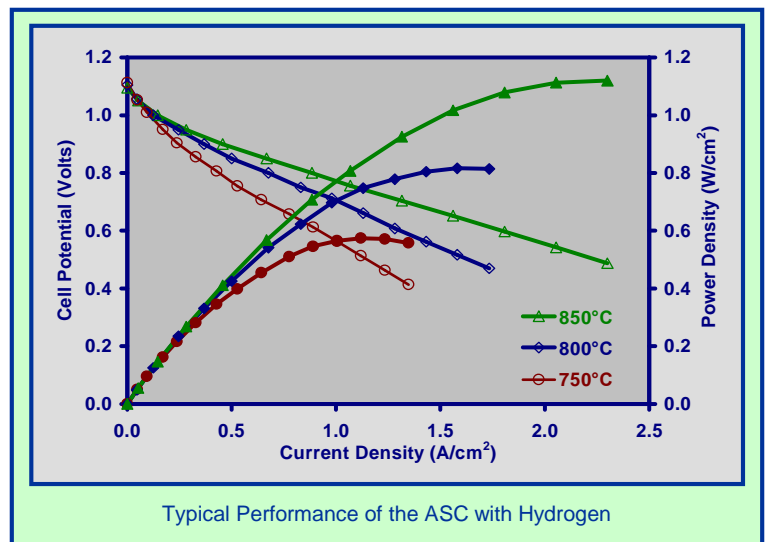


Anode Supported Cells and Anode-Electrolyte Bilayers

Anode supported cells (ASCs) with the Ni-YSZ/YSZ/LSM structure are the most common starting point for intermediate temperature SOFC research and development. Thin electrolytes enhance ionic transport, especially below 800°C. Ni-YSZ anode and LSM-based cathode offer excellent catalytic performance and electronic transport. Cells and anode-electrolyte bilayers are offered for benchmarking, gas-contaminant performance and cathode materials research.

Benefits

- ❑ Optimal balance of membrane and ionic function using ~10 micrometer thick electrolytes
- ❑ LSM-based cathode and Ni-YSZ anode, for high catalytic activity with standard materials
- ❑ 20 mm disks sized to work with the Probostat™ high temperature test fixture or your own
- ❑ Small and large quantities available to meet your R&D budget



Cell Architecture

Layer	Composition	Thickness (µm)
Anode	Ni/YSZ8	220-260
Electrolyte	YSZ8	6-10
Cathode	LSM/ LSM-GDC	30-50

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