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# Solid Oxide Fuel Cell Products

## ASC 8

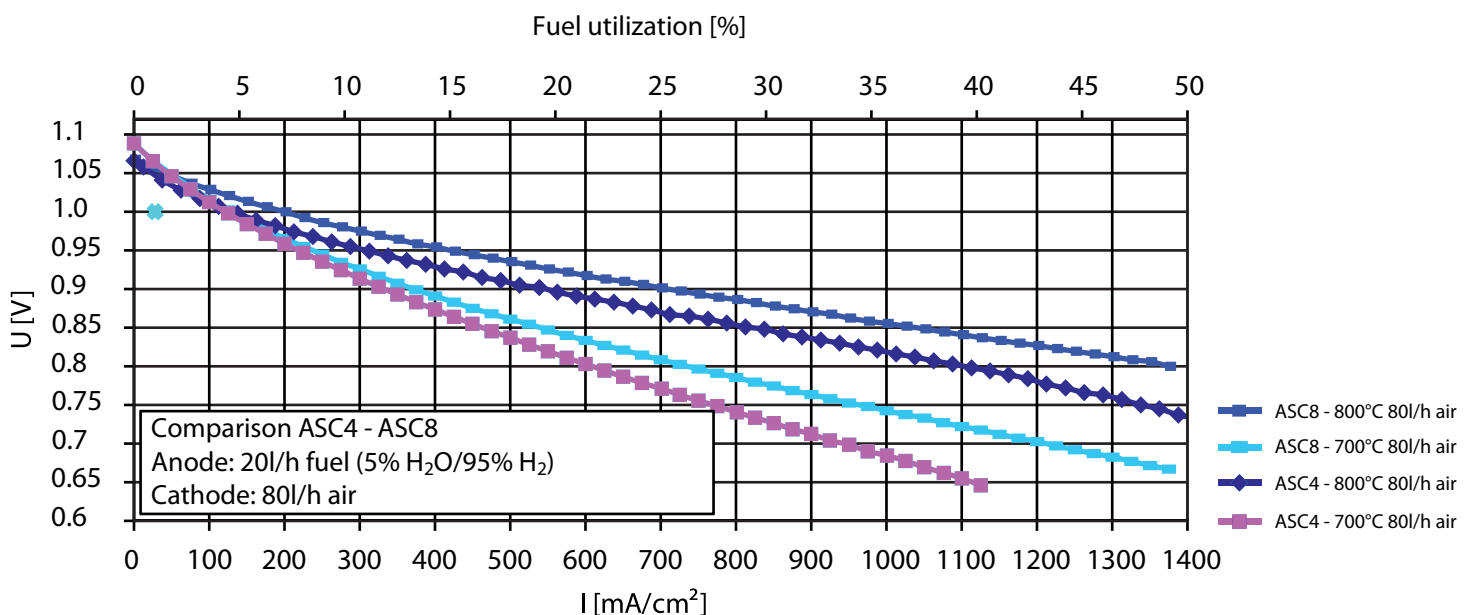
### Anode Supported Cell, type 8

Anode Support	Porous NiO/YSZ	200 – 230 $\mu\text{m}$
Anode	Porous NiO/YSZ	5 – 10 $\mu\text{m}$
Electrolyte	Dense YSZ	4 – 6 $\mu\text{m}$
Blocking Layer	YDC	2 – 4 $\mu\text{m}$
Cathode	Porous LSCF	30 – 60 $\mu\text{m}$

### Features

- > Footprints up to 100  $\text{cm}^2$
- > High Power Density
- > High Mechanical Strength
- > Operating Temperature above 650°C

### Typical electrochemical performance



#### Abbreviations

ASC8	Anode Supported Cell Type 8
YSZ	Y <sub>2</sub> O <sub>3</sub> doped ZrO <sub>2</sub>
YDC	Yttria doped Ceria
LSCF	Lanthanum Strontium Cobalt Ferrite Oxide