

Materials | Development | Solutions

# Solid Oxide Fuel Cell Products

## ESC 10

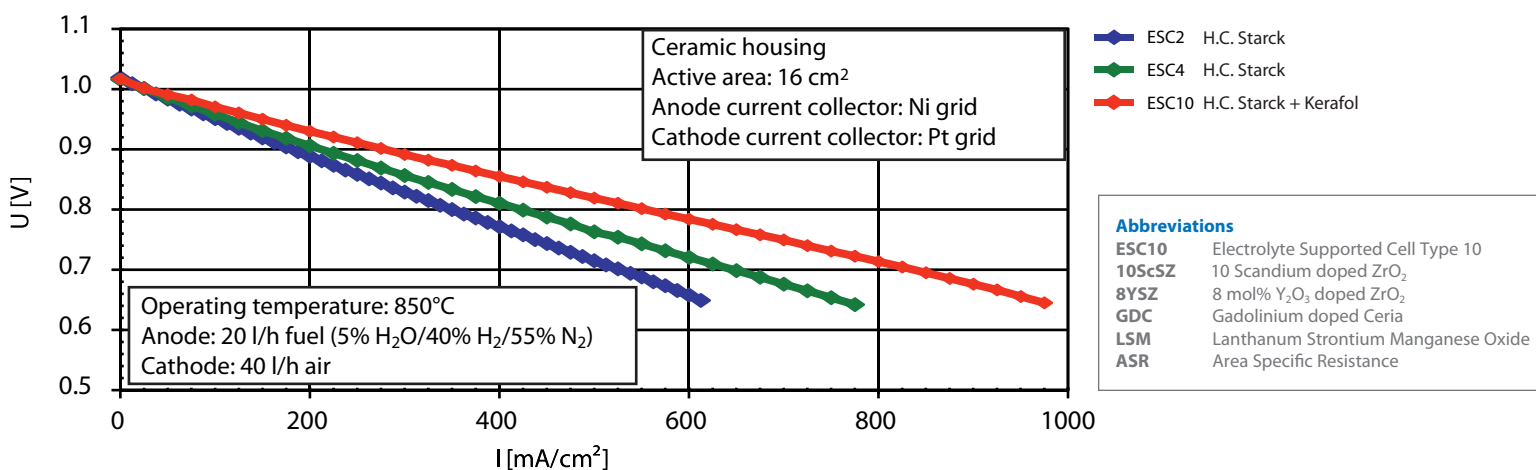
### Electrolyte Supported Cell, type 10

Anode	Porous NiO/GDC	30 – 50 $\mu\text{m}$
Electrolyte	Dense 10ScSZ	150 – 300 $\mu\text{m}$
Cathode	Porous 8YSZ/LSM-LSM double layer	30 – 50 $\mu\text{m}$

### Features

- > Superior Power Density
- > Superior Resistance against Oxidation Reduction Cycles
- > Stability under Sulphur Contaminated Gas
- > Suitable for CrFe<sub>3</sub>-Interconnectors
- > Operating Temperature above 800°C

### Typical electrochemical performance



H.C. Starck Ceramics GmbH & Co. KG and Kerafol GmbH jointly developed the new ESC10.

