

Solid Oxide Fuel Cell Products

ESC 2

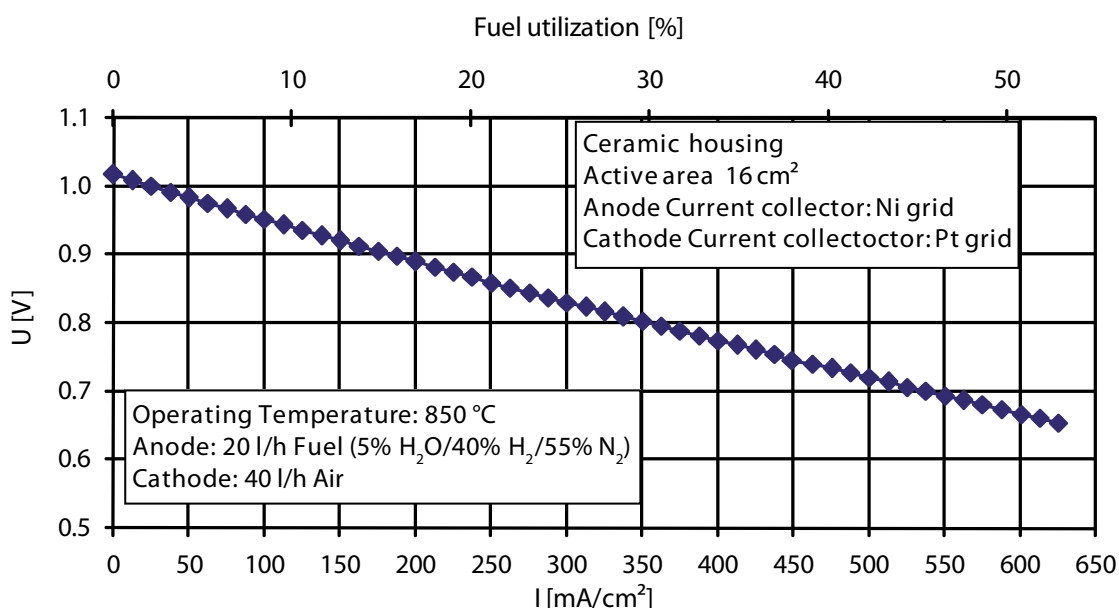
Electrolyte Supported Cell, type 2

Anode	Porous NiO/GDC	30 – 50 µm
Electrolyte	Dense TZ3Y	80 – 110 µm
Cathode	Porous 8YSZ/LSM-LSM double layer	30 – 50 µm

Features

- > Superior Resistance against Oxidation Reduction Cycles
- > Stability under Sulphur Contaminated Gas
- > High Mechanical Strength
- > Operating Temperature above 800°C

Typical electrochemical performance



Abbreviations

ESC2	Electrolyte Supported Cell Type 2
TZ3Y	3 mol% Y ₂ O ₃ doped ZrO ₂
8YSZ	8 mol% Y ₂ O ₃ doped ZrO ₂
GDC	Gadolinium doped Ceria
LSM	Lanthanum Strontium Manganese Oxide
ASR	Area Specific Resistance