

## Version 5 SOFC Technology

# Solid oxide fuel cell stack

### Clean energy starts with Ceres

We are a leading developer of clean energy technology; electrolysis for green hydrogen production and fuel cells for power generation. Ceres' solid oxide technology supports greater electrification of our energy systems and produces green hydrogen at high-efficiencies as a route to help decarbonise emissions-intensive industries.

### Technology licensing

Our established partnering model enables global manufacturers to accelerate entry into markets for power generation and hydrogen production at scale and with lower development risk. Partners accelerate to industrialisation with a scalable product backed by 25 years of development, established IP and deep engineering expertise, unlocking access to untapped markets. Our licensing model puts local manufacturing at its core, helping partners to build production capability in-region, supporting supply-chain resilience, cost control and strategic autonomy.

### Ceres' solid oxide technology; flexibility and efficiency for the energy transition

Our technology is designed from the ground up with manufacturing, performance and real-world application in mind. Based on game-changing, steel-supported solid oxide cell technology, our stack is made up of hundreds of cells assembled in a robust and easy-to-install unit. The result is a stack engineered for robustness, scale, world-class efficiency at low cost.

Our technology combines long-term durability with high efficiency across the operating power range. The platform is designed to support reliable, high-availability power systems across multiple fuels and applications. Its modular and scalable architecture is designed for real-world deployment, addressing the requirements of energy-intensive power sectors including data centres, industrial, commercial and marine applications.



### Features and benefits



Clean



High Efficiency



Fuel Flexible



Robust



Low Cost



Long-Life

### Specification

### 522-WC-250

Input fuel	Reformed natural gas, with or without AGR
Operating temperature	530-620 °C
Rated power	5.7 kW
Current at rated power	26.1 A
Voltage at rated power	220 V
Efficiency at rated power	71% LHV
Turn-down ratio	5-100 %
Stack weight	Up to 66 kg
Stack dimensions	398.5 mm (H) x 306 mm (D) x 150 mm (W)

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