

Ceres Endura™ for power generation

Fuel cell stack

Built to last

Ceres Endura™ is our flagship technology platform, 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. Designed as a dual use platform, Ceres Endura™ enables partners to serve both power and hydrogen markets from a single architecture. The result is a platform engineered for robustness, scale, world-class efficiency at low cost.

Ceres Endura™ for power generation

In power applications, Ceres Endura™ combines fast-load response and 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.

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 platform technology supports greater electrification of our energy systems and produces green hydrogen at high-efficiencies as a route to help decarbonise emissions-intensive industries.

Build with Ceres: your pathway to clean energy success

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.



Fuel flexible



High efficiency



Robust and reliable



Compact



Responsive to load



Modular

Specification†

Input fuel	Reformed natural gas, with or without AOGR
Operating temperature	530 - 630 °C
Rated power, kW	10.8 kW
Current at rated power	43.3 A
Voltage at rated power	250 V
Efficiency at rated power	69 % LHV
Maximum voltage in series connection	1120 V‡
Power rate of change	500 W/s, 4.6%/s
Weight	90 kg
Stack dimensions	551 mm (H) x 352 mm (D) x 199 mm (W)

† The performance figures provided are indicative only and represent average values determined across multiple stacks. Actual performance may vary due to normal part-to-part variation, operating conditions and system configuration.

‡ Allows three stacks to be connected electrically in series

+44 (0)1403 273463
marketing@cerespower.com
www.ceres.tech

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Ceres Power Limited (UK company registration number 04222409) has its registered address at Viking House, Foundry Lane, Horsham, RH13 5PX.

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