



INOCEL 300 KW FUEL CELL MODULE

*Decarbonize the Future of Mobility
and Power Generation*

? WHAT IS INOCEL?

INOCEL is a company based in the Grenoble region that designs, manufactures, and markets high power, modular fuel cells for the stationary, marine and heavy ground mobility sectors. Its expertise includes the development of fuel cell technologies as well as the integration and dimensioning of a complete energy chain. INOCEL also supports its customers with predictive maintenance, monitoring and advanced control services.

INOCEL also participates in the development of future industry standards to stay ahead of the development of tomorrow's products and services.



INOCEL @CES 2023

For the first time, INOCEL will present its 300 KW high performance fuel cell module to the world. Through an interactive experience, the company will give visitors the opportunity to witness the performance of the technology in a video, which will embark them behind the wheel of hydrogen-powered vessel and loader. With a combination of real and 3D images of the technology and the complete drivetrain, users will discover the advantages offered by INOCEL with its technology and the optimized integration of the drivetrain in different application segments.

! WHAT'S NEW?

Built on the foundation of 25 years of R&D by the CEA, a top French research institute, 30 engineers and researchers have worked for the past two years on the development of the INOCEL technology: A high power solution made for stationary, marine, and heavy ground mobility segments, which all require power, efficiency, and durability.

PEM (Proton Exchange Membrane) Fuel Cell	
Net Peak Power	300 kW
Cell Count	700 (2x350)
Power Density	> 5.5 kW/l
Efficiency	up to 60%
Dimensions (mm)	520 x 500 x 417
Mass (dry)	100 kg
Volume	110 l
Ramp-up to max power	< 1.5s

SCIENCE FOR A BETTER FUTURE

Decarbonize the World

By offering a clean alternative to fossil fuels, INOCEL plays a role in decarbonizing the industry and the planet. Helping reshape the world's energy landscape and being a driving force in the energy transition is at the core of INOCEL's ambition.



APPLICATIONS

INOCEL fuel cell modules are an ideal fit for applications which require efficiency, durability or performance. These key segments are the following:

- STATIONNARY
- H₂ POWER
- STATIONNARY

KEY FIGURES

- 10m€ capital increase
- 35 employees, by the end of 2022
- 15 patents are used in the development of the INOCEL technology
- Build on 25 years of research in fuel cell technology

>> WHAT'S NEXT?

Offering a clean alternative to fossil fuels, aims to play an impactful role in decarbonizing the industry and the planet for future generations. With a first successful marine demonstrator presented at the end of last year, INOCEL's objective is to validate the performance and reliability of its solution in the heavy ground mobility and stationary application with the complete integration of energy drivetrains in these key segments. Accelerating the energy transition at the core of the company's mission, INOCEL plans to meet the growing demand for mass production of fuel cells and enter in its industrial phase by 2024.

INTERESTED IN THIS TECHNOLOGY?

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