

The onboard hydrogen fuel cell power generator

The REXH₂ is a marinized hydrogen power generator, built around a Toyota PEM fuel cell, which converts hydrogen into carbon-free electricity. This electricity can be used to power electric motors, on-board auxiliaries and to recharge batteries for all types of vessels, whether professional or recreational.

The REXH₂ is an environmentally friendly and quiet product. It rejects only water and heat, which can be reused, and does not emit greenhouse gases or fine particles.



The REXH₂ is certified TAC (Type Approval Certification) by Bureau Veritas

Mains benefits

ZERO CO2		ZERO NOx		
QUIET		COMPACT		CONNECTED
OPTIMIZED EFFICIENCY				RELIABLE
PLUG & PLAY			QUICK REFUELING	
MODULAR			REDUCED MAINTENANCE	

Shift to the REXH₂ to provide power for propulsion and hotel load on all types of boats



Ocean buoy vessel



Fountain Pajot - Samana 59



America's Cup Chase Boats



Fishing training vessel

H₂ electric hybridization

The REXH₂ can be combined with any electrical system to provide continuous power that can be perfectly combined with the use of batteries. In addition to saving space and weight, this hybridization optimizes the management of the boat's propulsion and power calls, and therefore energy consumption.

H₂ Diesel-electric hybridization

When the use of diesel remains necessary, in particular to cover long distances, the integration of a hydrogen system coupled with a diesel-electric unit allows for emission-free and noise-free navigation in protected areas, near ports and the coastline.

Hotel Load

For larger vessels with high power demands, the REXH₂ can replace traditional generators to run onboard systems and ensure perfect tranquility at anchor, without any greenhouse gas emissions or harmful effects.



WIDTH: 106 CM
LENGTH: 171 CM
HEIGHT: 102 CM

WEIGHT: 540 KG



PERFORMANCES

Power rating (EOL)	70 kW
Output voltage	650-725 VDC
Parallel installation	Up to 8 units

TECHNOLOGY

Fuel cell brand	Toyota
Type of fuel cell	PEM
Hydrogen inlet pressure	11-15 bars