

IVECO

Drive the road of change



Electric **by nature.**

IVECO  **S-eway** Fuel Cell

The hydrogen-powered 6x2 Artic for regional distribution and long-haul.

Hydrogen is an abundant and clean energy source, which on a mass basis, has nearly three times the energy content of diesel.

When used to power a fuel cell electric vehicle IVECO S-eWay Fuel Cell, it emits zero carbon with water as the only by product. Hydrogen is an ideal energy source for long-distance heavy commercial transportation.

The IVECO S-eWay Fuel Cell, with its extended range and fast refueling time, will make the use of hydrogen for commercial transportation a reality operating with a lower carbon footprint with respect to conventional Diesel tractors.



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|----------------------------------|----------------------|
| Gross combined weight rating | up to 44 t |
| Range | up to 800 km* |
| Power (Continuous) | 400 kW / 536 hp |
| Refuel time | less than 20 minutes |
| Fuel cell power modules | 2 x 100 kW |
| Total usable H ₂ mass | 70 kg |
| Storage pressure | 700 bar |

* Range estimate was calculated using data obtained from IVECO proving grounds testing, real-world vehicle operation, and computational-based engineering and validation tools. Actual range will vary based on several factors including use case, vehicle characteristics, driver behaviour, and environmental conditions.

Specifications subject to change.



Driver experience.

The IVECO S-eWay Fuel Cell will raise driver satisfaction to a new level with a cab designed around their needs providing a spacious and well laid out environment rich in comfort features and advanced functionalities.

With its high visibility and smooth ride, free from the noise and odour of a diesel engine, the IVECO S-eWay Fuel Cell is set to become your drivers' favourite vehicle and the envy of other drivers on the road.

How IVECO S-eWay Fuel Cell work.

A hydrogen fuel cell propulsion system includes a fuel cell stack, which is layered with many individual fuel cells. Hydrogen from an onboard fuel source, and oxygen from the air are fed into the anode (negative) and cathode (positive), respectively. At the anode, the hydrogen molecules release electrons, which travel to the cathode via an external circuit, creating an electrical current that powers the electric motor(s) and other system electronics.

In an IVECO S-eWay Fuel Cell, the power generated by the fuel cell stack is used to drive the IVECO S-eWay Fuel Cell electric motor(s), with additional power supplied when needed from a rechargeable battery. This battery is also used to store additional short-term energy generated in IVECO S-eWay Fuel Cell equipped with regenerative braking.



Performance.

With two 100 kW fuel cell power modules, a 164 kWh battery system, and 400 kW of continuous power from the e-Axle, the IVECO S-eWay Fuel Cell has the power, torque and range to address a variety of regional applications and long haul mission.



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The information contained in this brochure is based on the best data available to Iveco Group following its internal tests and simulations, pending the vehicle homologation, therefore the information concerning availability and capabilities may be subject to change. Officially homologated driving range will be published closer to the vehicle's sales date, moreover, in every case, the data may vary due to various factors (e.g. truck equipment, driving style, weather conditions, route mission, vehicle condition, age and condition of the lithium-ion battery).