

HYZON FUEL CELL FACT SHEET

Overview:

Hyzon's single stack 200kW fuel cell system is designed to power heavy-duty transport with zero emissions. Designed and manufactured in-house, it is engineered with a hybrid bi-polar plate and advanced Membrane Electrode Assembly (MEA) design, maximizing power output and enhancing fuel efficiency and durability, making it ideal for heavy-duty applications.

How it Works:

Through an electrochemical reaction, fuel cell systems convert hydrogen and oxygen into electricity, with water as the only byproduct. In Hyzon's single stack 200kW fuel cell system, this process is enabled by Hyzon's hybrid bi-polar plate and proprietary 7-layer MEA, creating a compact, efficient single-stack design to deliver high power output.

Technology Advantages:

One of the most power-dense fuel cells on the market. The 200kW system is 30% lighter, 30% smaller, 20%* more efficient, and 25% lower in cost than competitors utilizing two systems.

Improved fuel efficiency will have a significant impact on lowering the total cost of ownership.

Combines the benefits of graphite and metal for increased durability and reduced costs.

Features a proprietary 7-layer MEA, optimizing power density and efficiency.

Only U.S.-made single stack 200kW fuel cell system in development.

**200kW vs. 120kW at 120kW; Estimated efficiency based on early 200kW truck testing at test track in similar simulated routes on flat road vs. similar use case performance with single 120kW Fuel Cell System*

Applications and Future Directions:

Focusing today on applications in commercial trucking and on tomorrow's power generation and energy storage, mining, construction, rail, marine, and airport ecosystems.

Manufacturing Details:

Hyzon's fuel cells are manufactured in Bolingbrook, IL, one of the largest vertically integrated fuel cell manufacturing facilities in North America.

Hyzon designs, engineers and builds fuel cell systems from the ground up, beginning with the MEA, moving to a single fuel cell, the fuel cell stack and the fuel cell system.