

# NIKOLA®



## INTRODUCING A ZERO-EMISSIONS TRUCK

**TRE** FCEV

### THE HYDROGEN-POWERED CABOVER FOR LONGER OR CONTINUOUS METRO-REGIONAL APPLICATIONS

Hydrogen is an abundant and clean energy source, which on a mass basis, has nearly three times the energy content of gasoline.<sup>1</sup> When used to power a fuel cell electric vehicle (FCEV), it emits zero carbon with water as the only byproduct. Hydrogen is an ideal energy source for long-distance heavy commercial transportation.

The Nikola TRE FCEV, with its extended range and fast refueling time, will make the use of hydrogen for commercial transportation a reality at a cost comparable to diesel and with a lower carbon footprint.

1. <https://www.energy.gov/eere/fuelcells/hydrogen-storage>



PERFORMANCE

GCWR	82,000 lbs.
Range	up to 500 miles*
Max Speed	70 mph
Gradeability	36 mph @ 6%
Power (Continuous)	536 HP / 400 kW

HYDROGEN SYSTEM

Fuel Cell Power Modules	200 kW
H <sub>2</sub> Capacity	~70 KG
Refuel Time	< 20 min**
Total Battery Energy	164 kWh

\*Range estimate was calculated using data obtained from Nikola 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 behavior, and environmental conditions.  
\*\* Estimate based on expected technology improvements.

**H<sub>2</sub> TANKS**  
3X BACKPACK TANKS  
2X SADDLE TANKS  
NOMINAL WORKING PRESSURE 700 BAR  
TYPE 4 COMPOSITE



FUEL CELL  
POWER MODULES

BATTERY PACKS

E-AXLE

