Powered by hydrogen fuel cell – zero emission

THE OTHER ELECTRIC BUS
A fuel cell bus is an electric vehicle that uses compressed hydrogen gas as its energy source and storage. The fuel cell power module on board of the bus generates electricity through an electro-chemical reaction leaving only water and heat as by-products.

- Same electric drivetrain as battery electric buses
- Battery-fuel cell hybrid power train configuration
- Fuel cells power electric drive and recharge batteries
- Common bus platform to a battery electric bus

Ballard’s heavy duty fuel cell power modules are designed for transit buses with configurations from 30kW to 100kW.

Durable  Fuel efficient  Versatile  Environmentally friendly
Fuel cells enhance the performance of electric buses

- 1:1 replacement of conventional vehicles
- Up to 450km / 300mi proven range
- Rapid refuelling speeds (6 to 10 minutes)
- Significant reduction in vehicle weight (more passengers)

Fuel cell electric buses powered by Ballard have demonstrated performance

- 24-hour operation
- >30,000 hours stack durability
- Operating in challenging routes and climates
- Over 16m km / 10m mi of passenger service
- More than 15 years of road experience

Hydrogen provides flexibility to transit fleets

- Scalable to support hundreds of buses per depot
- Renewable sources (wind, solar, biogas)
- No roadside infrastructure
- Small footprint

Power to Change the World®
We deliver fuel cell power for a sustainable planet.

Fuel cell electric buses deliver zero-emission transit without compromise in service.

“We treat the fuel cell buses like any other bus in our fleet. The buses are deployed in all conditions on all routes and they are meeting availability targets.”

Lauren Skiver, CEO and General Manager of Sunline Transit Agency

Dedicated service

- 3 global service centers
- Call center (24 hours a day, 7 days a week)
- Regional sales and service teams
- Regional spare parts depots
- Training center & repair center
- After-sales service contracts

SHIPPED MORE than 1200 heavy duty modules

over 200 fuel cell BUSES powered