BALLARD®

THE OTHER ELECTRIC BUS

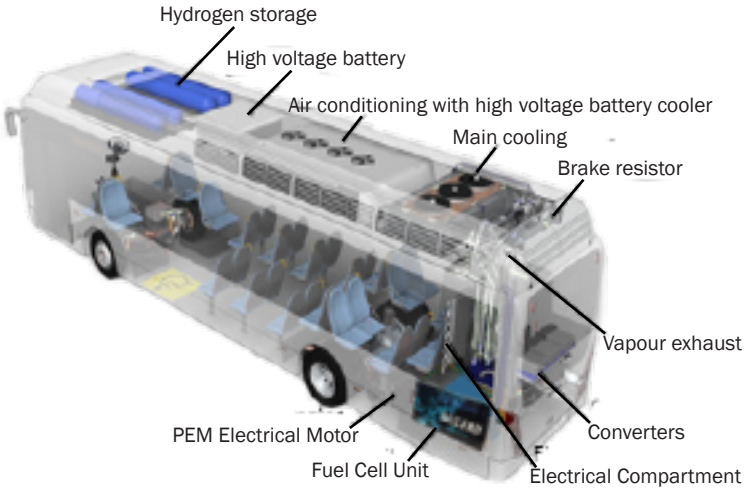
Power to Change the World®

A FUEL CELL BUS IS AN 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 as 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

FCveloCity®–HD

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

24H
FUEL CELL MODULE AVAILABILITY
>97 %

>30,000 hours
STACK DURABILITY

OPERATING IN
CHALLENGING
ROUTES AND CLIMATES

over 13m km/ 8m 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

We are committed to sustainable mobility and clean air for everyone.

Fuel cell electric buses delivers 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 1000 heavy duty *modules*

over **100** fuel cell BUSES *powered*

CONNECT WITH **BALLARD**®

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