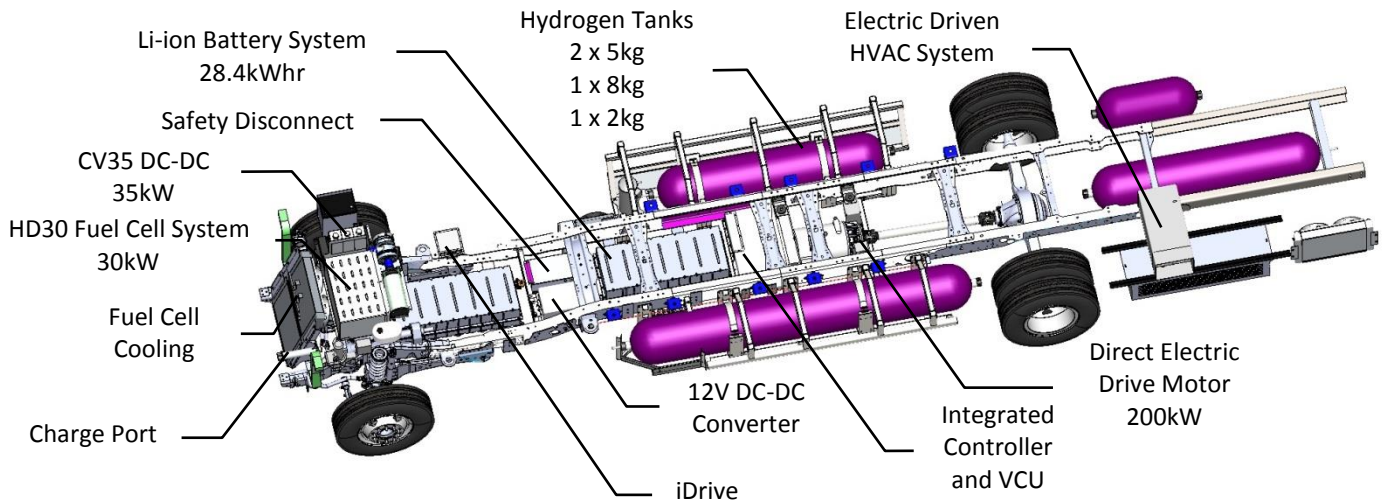
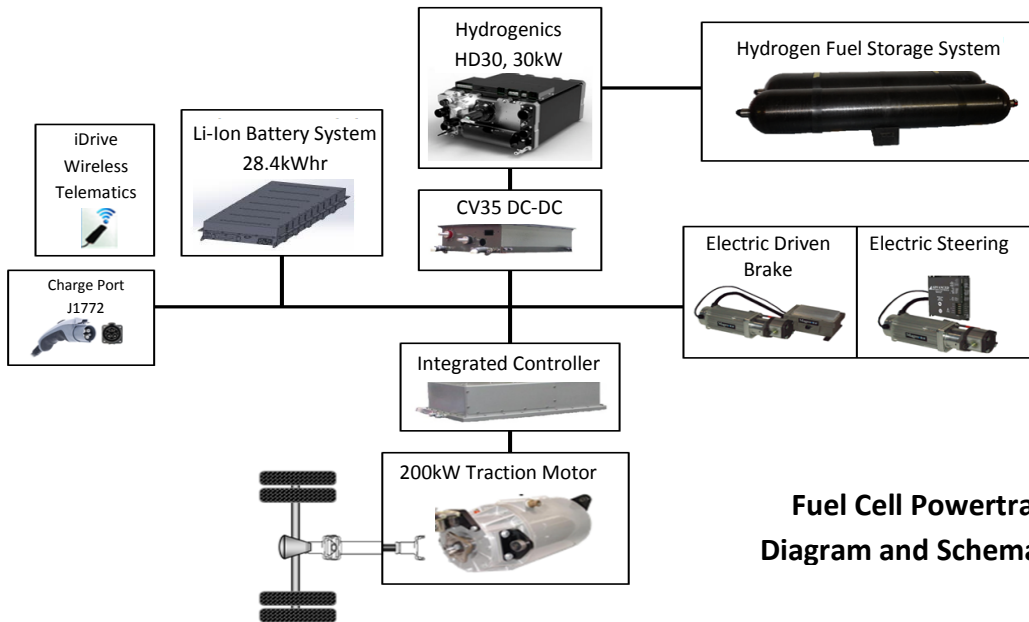


In Production



US Hybrid

H₂Ride™ 32 Fuel Cell Plug-In Shuttle Bus





H₂Ride™ 32 Fuel Cell Plug-In Shuttle Bus Specification

Overall Vehicle Specifications

GVWR	19,500-23,500lbs
Wheel Base	233"
Body Length	32'
Interior and Seating	29 Seats and ADA Compatible
OEM Manufacturer and Model	Eldorado Aero Elite 32 Model
Body	Composite Reinforced Steel Body and Roof
Chassis	Ford F550

Vehicle Performance Specifications

Range H2 and Battery	320km/200 miles
Range Battery Electric	24km/15 miles
Top Speed	97 KPH/60 MPH
Acceleration 0-40 MPH	8sec

Fuel Cell System Specifications

Fuel Cell Supplier	Hydrogenics
Model and Type	HD30, PEM
Fuel Cell Voltage, Current, and Power	60-120VDC, 500A, 30kW
DC-DC Converter	35kW rated, CV35

Hydrogen Storage System Specifications

Weight of Storage Tanks	367kg/809lbs
Storage Capacity	19.28kg of H ₂
Max Pressure- Min Pressure	350 BAR/5076 PSI - 13.8 BAR/200 PSI
Fueling Time	< 9 minutes, Communication Port (90% capacity)

Energy Storage Specifications

Battery Cells Type	Li-Ion
Battery Pack Weight	300kg/661lbs
Battery Voltage	360V Nominal
Battery Max Power	280kW
Battery Energy	28kWhr

Direct Electric Traction Drive System Specifications

Motor Type	AC Induction with Integrated Gear Reduction
Traction Drive Power	200kW
Motor with Integrated Gear Unit Weight	218kg/480lbs
Integrated Traction Inverter Power	240kW
Integrated Traction Inverter Weight	27kg/60lbs
Charger- Integrated	J1772-Level II, 6.6kW
Control, Communication and Diagnostics	J1939, CAN

Auxiliary Systems Specifications

DC/DC Converter	13.8V, 600A
Air Conditioning	Electric driven 70,000 BTU, Rear Ceiling Mounted
Electro-hydraulic Power Steering	Integrated