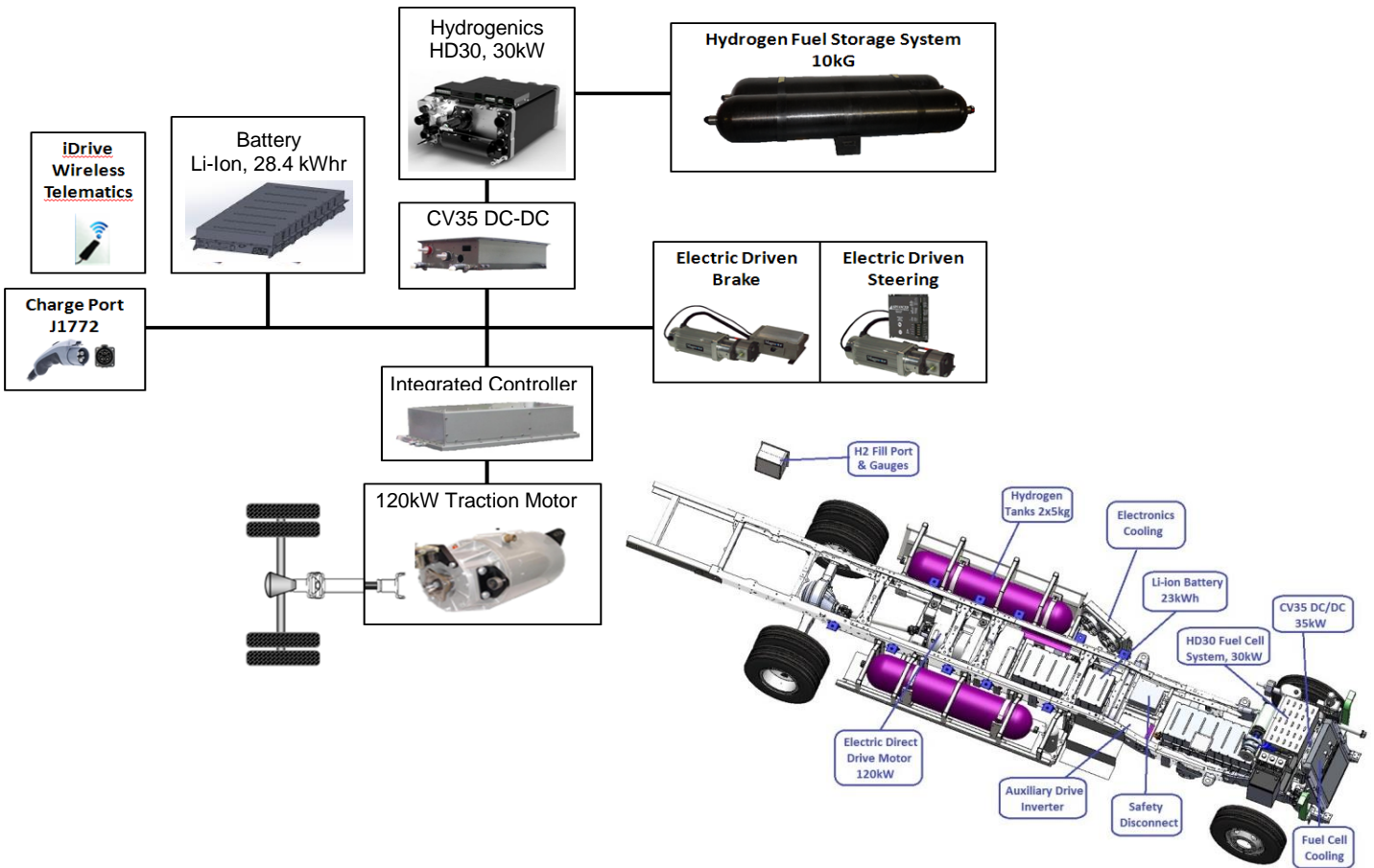


In Production



H₂Cargo™ Fuel Cell Plug-In Step Van



Fuel Cell Powertrain Diagram



H₂Cargo™ Fuel Cell Plug-In Step Van Specification

Overall Vehicle Specifications

GVWR	6,395kg/14,100lbs
Wheel Base	178"
Interior and Seating	2 Cab Seats With 16' Walk-in Cargo Body
OEM Manufacturer and Model	Workhorse or FCCC MT-45
Body	Aeromaster 16' Walk-in, Aluminum
Chassis	Workhorse P42 or FCCC MT-45

Vehicle Performance Specifications

Range H2 and Battery	200km/125 miles
Range Battery Electric	31km/19 miles
Top Speed	97 KPH/60 MPH
Acceleration 0-40 MPH	7sec

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	190kg/418lbs
Storage Capacity	9.78kg of H2
Max Pressure- Min Pressure	350 BAR/5076 PSI - 13.8 BAR/200 PSI
Fueling Time	< 5 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	140 kW
Battery Energy	28kWhr

Direct Electric Traction Drive System Specifications

Motor Type	AC Induction with Integrated Gear Reduction
Traction Drive Power	120kW
Motor with Integrated Gear Unit Weight	218kg/480lbs
Integrated Traction Inverter Power	200kW
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	14.2V, 540A
Air Conditioning	Electric driven Scroll Compressor
Electro-hydraulic Power Steering	Integrated