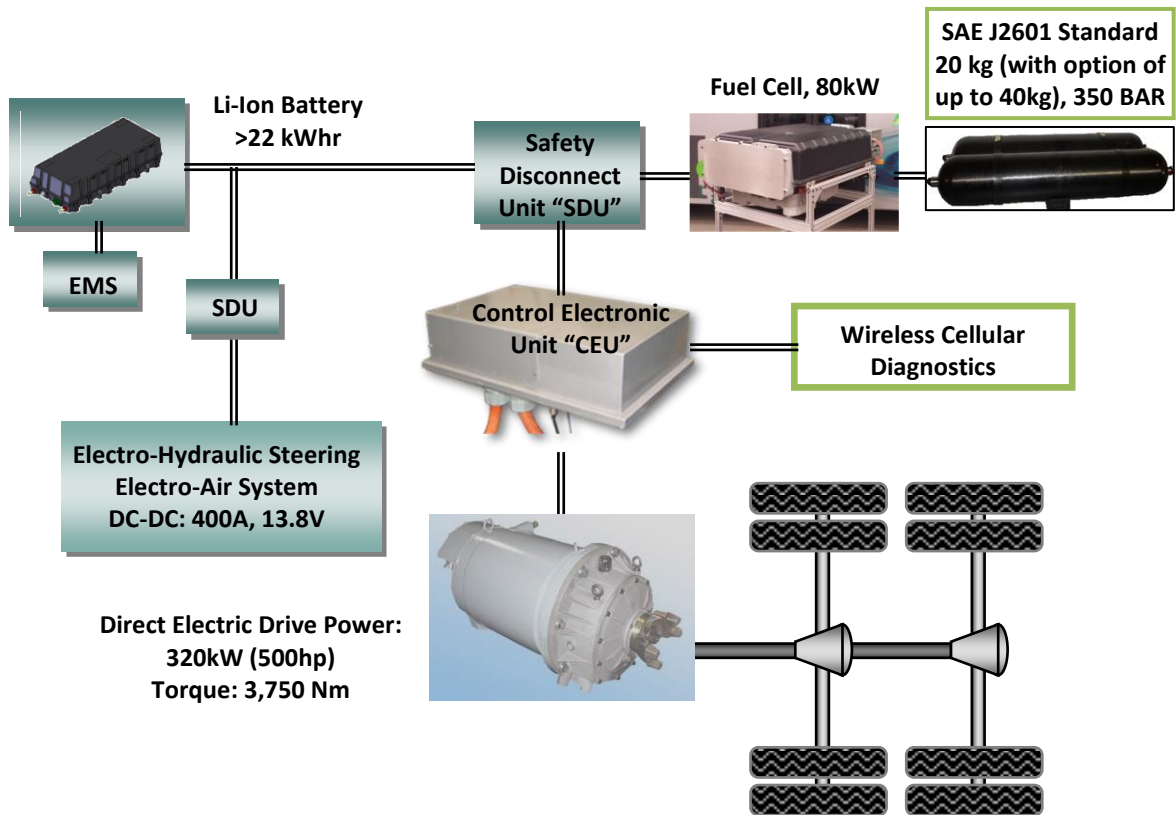


In-Development
Not Released



H₂Truck™



Fuel Cell Electric Class 8 Truck Powertrain System Configuration



Drayage Class 8 Truck Specifications	
GVWR	80,000lbs
Wheel Base	189" Minimum
OEM Manufacturer and Model	International, ProStar Day Cab
Front Axle Rating	13,200lbs
Rear Axle Rating	40,000lbs Tandem
Suspension	Air
Truck Performance	
Range H2 and Battery	320km/200 miles
Range Battery Electric	8km/5 miles
Top Speed	97 KPH/60 MPH
Acceleration 0-40 MPH	10 sec
Fuel Cell System Specifications	
Fuel Cell Supplier	US FuelCell PC80™
Model and Type	PC80™, PEM Fuel Cell
Fuel Cell Voltage, Current, and Power	140-300, 600A, 80kW
DC-DC Converter	85kW rated, PCM600™
Hydrogen Storage System Specifications	
Weight of Storage Tanks	367kg/809lbs
Storage Capacity	19.28kg of H2 (with option of up to 40 kg)
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 Type	Li-Ion
Battery Max Power	300kW
Battery Energy	>22kWhr
Direct Electric Traction Drive System Specifications	
Motor Type	Internal Permanent Magnet
Traction Drive Power	320kW/ 429HP
Motor with Integrated Gear Unit Weight	1496lbs
Integrated Traction Inverter Power	320kW
Integrated Traction Inverter Weight	127lbs
Charger- Integrated	J1772, 6.6kW, for Service
Control, Communication and Diagnostics	J1939, CAN
Auxiliary Systems Specifications	
DC/DC Converter	27.8, 400A
Air Conditioning	Electric
Power Steering	Electro-hydraulic
Air Compressor	Integrated Electric, Oil-less