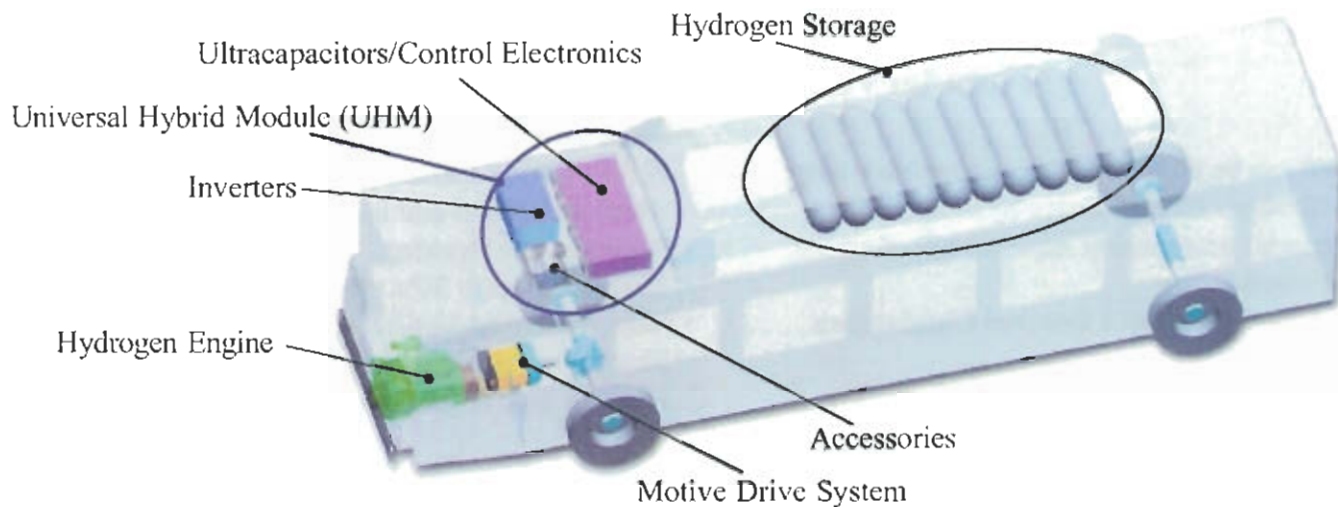


# Drive System Specifications

## HYBRID DRIVE COMPONENTS

MOTIVE DRIVE SYSTEM	
<b>Motor</b>	Dual Siemens 85 kw cont., 170kw peak
<b>Inverter</b>	Dual Siemens 85 kw cont., 170kw peak
<b>Transmission</b>	None required
AUXILIARY POWER UNIT SYSTEM	
<b>HICE</b>	Ford 6.8 liter V10 H <sub>2</sub> ICE
<b>Hydrogen Storage</b>	58 kg of hydrogen at 5000 psi

VEHICLE NETWORK AND CONTROL	
<b>System Controller</b>	ISE ThunderCAN™ with Ethernet, RS485, EIA232, Profibus
ACCESSORIES	
<b>Steering</b>	ThunderVolt® electro-hydraulic
<b>Brakes</b>	ThunderVolt® electro-pneumatic, with regenerative assist
ENERGY STORAGE SYSTEM OPTIONS	
<b>Ultracapacitors</b>	Two "ThunderPack"™ modules, featuring Maxwell ultracapacitors
<b>Batteries</b>	Three 18 kWh Zebra battery packs



## PERFORMANCE

<b>Starting Grade</b>	15%
<b>Top Speed</b>	65 mph
<b>Acceleration (0-30)</b>	15 sec.
<b>Range</b>	> 230 miles
<b>MPG*</b>	4.4 – 6.5

## BENEFITS

<b>Emissions</b>	NZEV
<b>Efficiency</b>	High efficiency drive system
<b>Performance</b>	Smooth, powerful operation
<b>Noise</b>	Very quiet operation <65db in cabin
<b>Fuel</b>	Hydrogen

\* Miles per equivalent gallon gasoline, depending on use