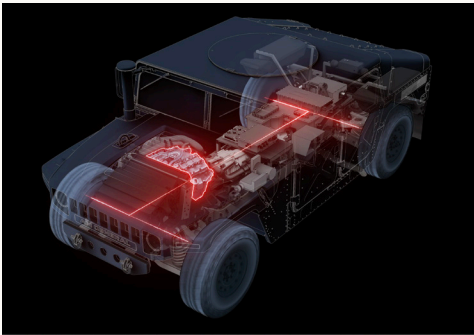




HUMVEE CHARGE

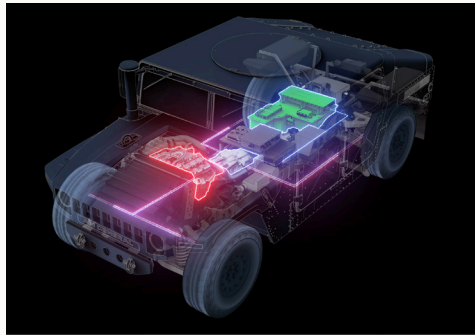
The HUMVEE Charge Hybrid Electric Vehicle (HEV) concept is designed to deliver exportable power, silent watch, and silent mobility capabilities with enhanced fuel efficiency in a light tactical vehicle platform.

THREE DRIVE MODES



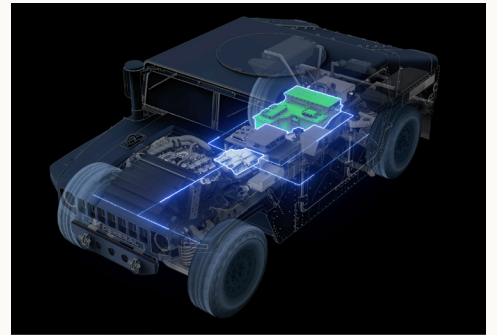
INTERNAL COMBUSTION ENGINE

Internal Combustion Engine (ICE) powers the wheels.



HYBRID

Both ICE and electric motor power the wheels.



ELECTRIC

Electric motor powers the wheels.

FEATURES

EXPORTABLE POWER

Onboard battery pack provides exportable power, which can be charged by the onboard ICE to supply additional power generation for extended periods.

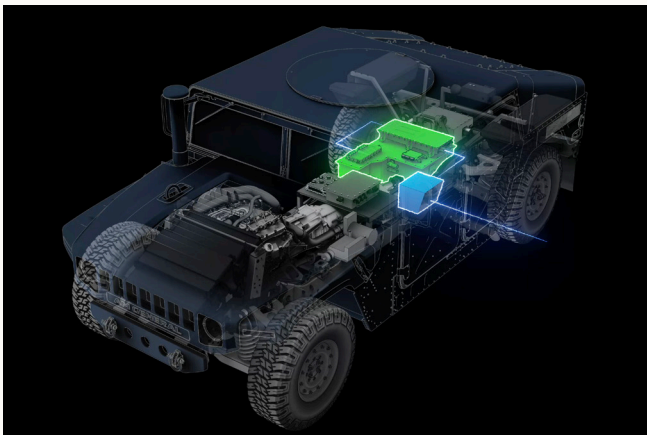
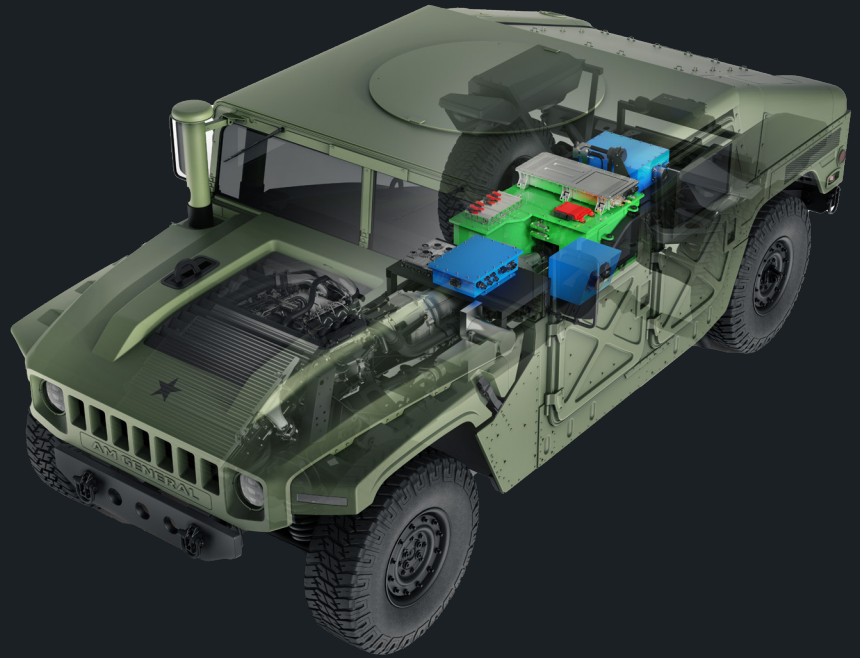
Provides 24V DC, 110V AC, and 208V three-phase AC and Vehicle-to-Grid (V2G) Synchronization.

SILENT WATCH

Ability to shut down the ICE and still power all onboard vehicle systems from the onboard 30kWh battery pack.

SILENT MOBILITY

For situations that demand stealth operation, the HUMVEE Charge runs in full electric mode.



VEHICLE IMPROVEMENTS & CAPABILITIES

PLUG-IN CAPABILITY

Utilizing COTS components, capable of charging from either Level 1, Level 2 fast chargers, or Level 3 fast chargers.

ACCELERATION

Significant improvements in vehicle acceleration through the combined use of the ICE and electric motor.

RANGE & FUEL EFFICIENCY

The PHEV powertrain enables significant improvements in both vehicle range and fuel efficiency.

SEMI-ACTIVE SUSPENSION (SAS)

New SAS system provides 55% improvement in RMS speed and 50% increase in wheel travel while providing capability to increase the vehicle's overall Gross Vehicle Weight Rating (GVWR).