Electric Drive and Advanced Battery and Components Testbed (EDAB)

March 5, 2012 through September 9, 2013

Description / Specification

Vehicle
- Configuration: Series PHEV
- Traction Motor: UQM 145 kW / single-speed gearbox
- APU: UQM 145 kW / 5.3L gasoline engine

Battery Pack
- Manufacturer: EnerDel
- Model: Type I EV Pack (A306)
- Chemistry: Li-ion
- Cathode: Mixed Oxide (Modified NMC)
- Anode: Amorphous Hard Carbon
- Configuration: 4 parallel strings of 96 cells
- Rated Capacity (Ah): 70
- Nominal Voltage (V): 345
- Pack mass (kg): 285
- Cooling Type: Passive (sealed enclosure)

ESS Reference Performance Testing Results
- Initial Measured Capacity (BOL) (Ah): 63.2
- Present Measured Capacity (Ah): 52.3

ESS On-road Testing Results
- Miles driven: 23,451.2
- City % of miles: 55%
- Hwy % of miles: 45%
- Amp Hours throughput lifetime: 39,508.5
- Avg. energy consumption (DC Wh/mi): 233.9