**Collapsible sections**

**Vehicle Inputs**

Cd, FA, total mass

**Wheel Setup**

Rolling Resistance Coefficient: 0.0067

Tyre Diameter

**Drivetrain Type**

Motor Type: (from dropdown)

Motor quantity: (from dropdown)

Gear Ratio: NUMBER to 1

**Battery Setup**

Module Cell Setup: S, P (module characteristics appear immediately)

Pack Setup: Modules in Series, Modules in Parallel (pack characteristics appear immediately)

Starting SOC: %

SOC: Fixed level/drains through simulation

**Regenerative Braking**

Energy captured (%)

**Auxillaries**

Constant power (kW)

**Thermal Properties**

Drive Cycle: Use Drive Cycle Profile, Use Constant Speed, Use Acceleration Event

Length of time to drive:

Elevation Profile: Flat,

Wind

Ambient Temperature

**Outputs**

**Energy Breakdown**

Pie chart of energy % used on different accel, drivetrain efficiency, rolling, auxillaries, gradient

**Range**

**Vehicle Performance**

Max velocity

Accel 0 to 50

Accel 50 to 100

**Battery SOC**