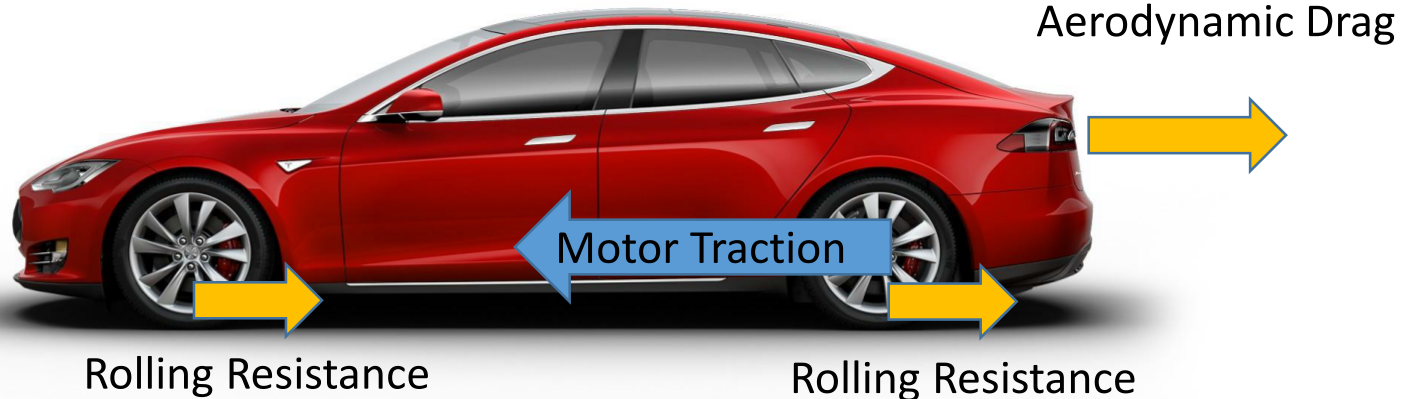
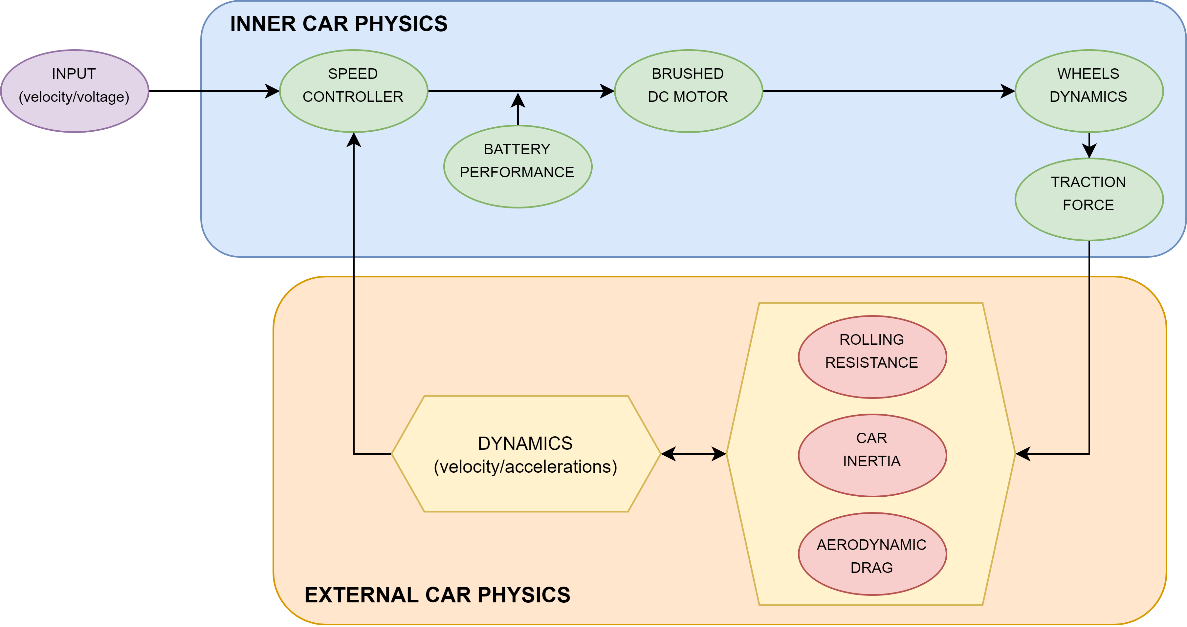
**TESLA MODEL S P85**

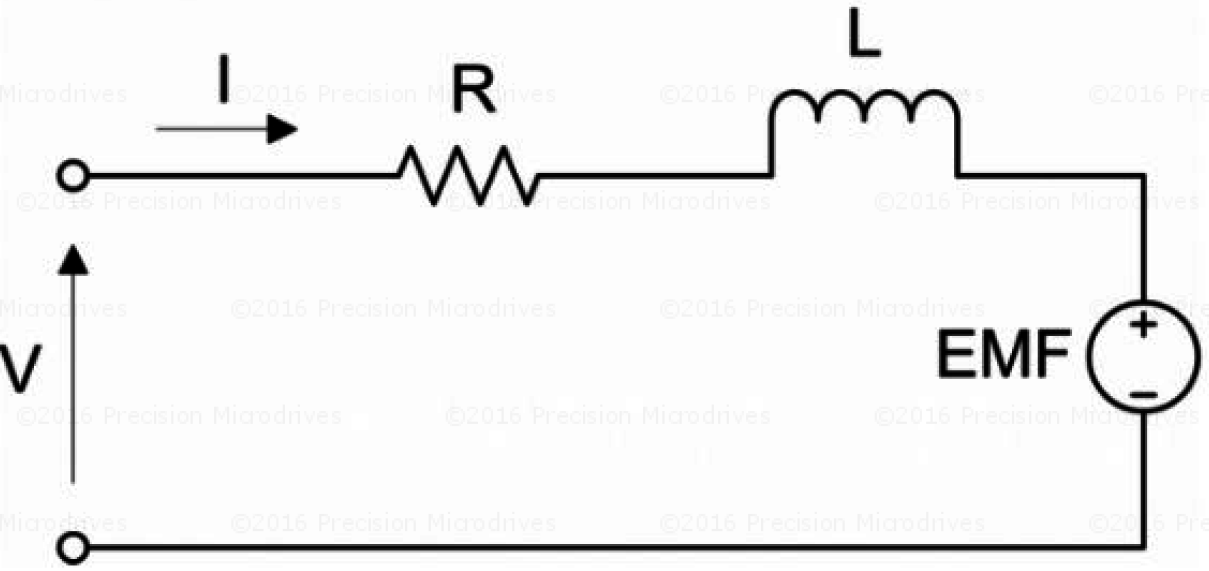


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| --- | --- | --- | --- |
| **CAR CHARACTERISICS** | | | |
| Torque: | 600 Nm at 0 RPM | Power: | 460 HP/343 kW at 8600 RPM |



|  |  |  |
| --- | --- | --- |
| **BATTERY PERFORMANCE** | | |
| 16 modules wired in series containing 6 groups of 74 cells wired parallel | Cell Nominal Voltage: | 3.6 V |
|  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BRUSHED DC MOTOR** | | | | |
| Electromotive Force: |  | | | |
| Voltage (Time domain): |  | | | |
| Voltage (Laplace domain): |  | | | |
| Motor Torque: |  | | | |
| From Data Sheet: |  |  |  |  |



|  |  |  |
| --- | --- | --- |
| **TRACTION FORCE** | | |
| Wheel diameter: |  |  |
| Gear ratio: |  |
| Overall Efficiency: |  |
| Resultant Force: |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **AERODYNAMIC DRAG** | | | |
| Drag Coefficient: |  | Frontal Area: |  |
| Density at the sea level: |  | Drag force: |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ROLLING RESISTANCE** | | | | | |
| Car mass: |  | Rolling Resistance Coefficient: |  | Rolling Force: |  |

