Overview:
The Tractive System Voltage provides high voltage power to the motor controller to run the car. The TSV system will consist of 4 identical battery packs in the car, capable of providing 89.6 volts and over 200 amps. In vehicular terms, this is equivalent to 24 horsepower. The 2015 team intended to use the 2014 pack design with a few bug fixes, bringing the TSV pack voltage to 2015 with a few bug fixes, bringing the TSV pack voltage to 89.6 volts and providing 240 amp-hr (total of 4 packs). This controller came pre-programmed to operate with the selected motor, the HPEVS AC 50 motor. The dynamometer systems are used to acquire data from the motor systems without the need to fully integrate the systems into the vehicle. The dynamometer measures the torque and velocity of the motor directly, and is integrated with systems to measure the motor and motor controller temperatures.

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