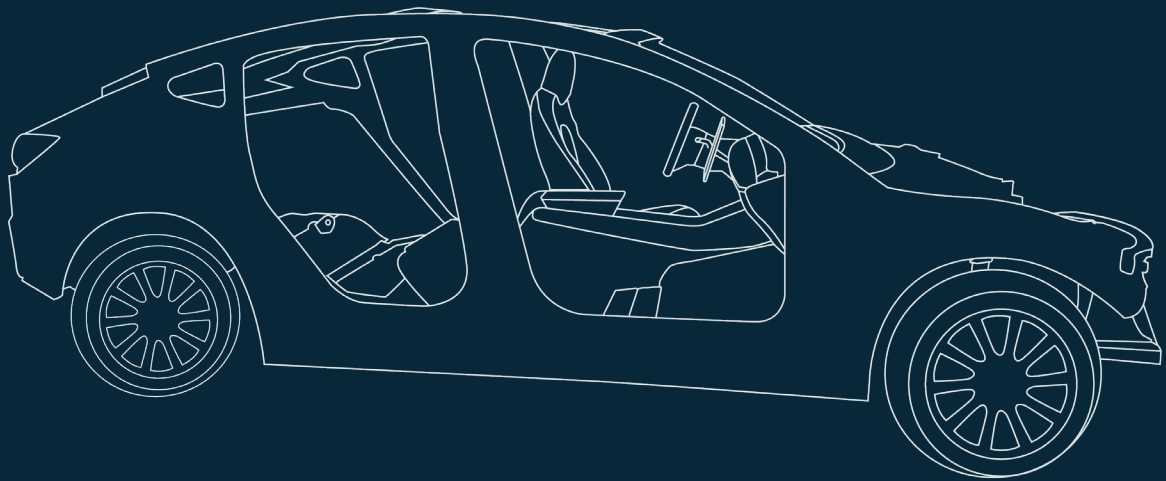




# Interactive Demonstrative Electric Vehicle





Have you ever wondered how to give your students hands-on exploration of a complete electrical vehicle in a safe environment? The EV-601-TS\_053322 Interactive Demonstrative Electric Vehicle is not just a training aid, it's an actual Tesla Model 3 training car visually displayed for maximum learning!

All major components are identified in their actual location, most have been exposed (cutaway) in a way that is not possible on an operating vehicle, this helps attain a better understanding of the internal components and workings.

## EDUCATIONAL ADVANTAGES

Electrical & thermal energy are managed and displayed throughout the vehicle, according to the various real-life scenarios that can be created. Additionally, voltmeters and ammeters are located at several key components to illustrate the impact of each scenario on the electrical system. Paths of electrical energy and coolant are identified with LED strips, which also indicate flow direction voltage levels.

Cutaway portions of the vehicle allow for visual identification of BEV components. Visualized learning features include:

- Location of security loops for emergency response personnel
- Functional electric-assist power steering
- Electric park brake
- Functional electric park brake
- Infotainment screen allows functionality

There's also full diagnosis and repair procedures for the following:

- CAN Bus
- Testing of components with an insulation tester
- Vehicle software is secured from students, but is instructor accessible.

## EDUCATIONAL FEATURES

Safety is maximized and emphasized as there is no DC high voltage present on this trainer.

The product is a standard Tesla Model 3 unibody, without the following components: the hood, rear doors, glass roof, windscreen, rear glass, high voltage battery cells. It does contain the following: headlights, taillights, and all exterior lights, battery case

It has the following cutaways for access:

- Rear floor above the motor/inverter unit
- Penthouse cover removed/cutaway and protected by Plexiglas
- Motor/inverter cutaways showing 3-phase power into the motor, cooling passages, rotor, stator, and inverter.

Includes complete curriculum developed by our team with over 40 hours of student activities

## TECHNICAL INFORMATION

- **Dimensions:** 83 W x 185 L x 57 H inch (210.82 W x 469.9 L x 144.78 H cm)
- **Weight:** 3565 lbs (1617.1 kg)
- **Power supply:** 120VAC / 1.6 A
- **Application:** Tesla Model 3 unibody (Exterior color may vary)

Scan this QR code to learn more about this product

