

ELEC304 - Automotive Electrical Vehicle Charging

Equipment List

- Vehicle wall charger for type 2 leads fitted in the workshop area to demo charging of an EV/PHEV.
- EVSE charge leads.
- RAPID charge connectors and ports: CHAdeMO, CCS, AC.
- Various chargers: on-board OEM specific and DC-DC chargers for demonstrations.
- Charging HV looms (OEM specific).
- Onsite charging posts, i.e., 7kW AC and 50kW rapid DC. (Where possible!)
- EVSE test box for installation check.
- Cat 4 digital multimeter x 4.
- Basic electrical circuit boards.
- Vehicle test rig, i.e., AG block or LN kits.
- OBD2 code reader: Delphi, Snap-On, iCarsoft, Bosch, etc.
- Basic hand tools.
- Electric vehicles: Outlander, Leaf, Renault Zoe, Tesla Model 3 et al.
- Technical data source, manuals/online - auto-data.
- Safety signs.
- Regulation safety PPE, CPE and VPE.
- PC or laptop.
- Smart board/projector/screen or online (Wi-Fi).