

Bosch Engineering Testing Technology projects

High Voltage Lab Rig (HVLR)

► Applications

- High voltage (HV) system for safe testing of electro-mobility components
- Flexibly adaptable lab equipment for validation tasks of power electronics (e.g. inverter, converter)

► Features

- Safe switching and monitoring of HV voltage up to 1,200V (isolation and operation monitoring, HV interlock, Safety PLC, emergency shut-off)
- Touchscreen as central operating and display unit
- Modular design, e.g. with integrated HV dummy load

► Customer Benefits

- Best possible lab safety, component protection and wear reduction
- Easy operation through visualisation of the functions and system states
- Remote controllability and integration into test automation

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