

Arbitrary 4-Quadrant Voltage and Current Amplifiers

Electric Vehicle Test Systems

BOLAB Systems provides unique solutions for electrical tests both for LV and HV standards.

- Low voltage Test Systems For 12, 24 and 48V electrical systems addressing LV 124, VW 80000, VDA 320, ISO 16750, GMW 3172.
- High voltage Test systems for electric vehicles with up to 1,500V electrical systems standards addressing LV 123, VW 80300, ISO 21498, MBN 11123, ISO 7637-4

For testing to these standards, a high voltage power supply, a 4-Quadrant Amplifier System and an Artificial Network are the main elements. All these components are part of BOLAB's portfolio.

WaveMaster Software

BOLAB WaveMaster Software allows to generate analog signals for the power supplies and 4-Quadrant Amplifiers as well as for recording data for both voltage and current measurements.

LV 123/VW 80300 Test Systems

- ✓ 15 KW - 200 KW systems
- ✓ 15A ... 1500 A
- ✓ Ripple Generator DC ... 500kHz Including Load Dump tests!
- ✓ Automated Tests
- ✓ Prepared for future waveforms due to individual waveform design graphically and tabular
- ✓ Integration via DLL's into programming languages

LV 124/LV 148/VDA 320 Test Systems

- ✓ 500 W - 18.000 W systems
- ✓ 15 A ... 660 A
- ✓ Up to 100 V / μ s
- ✓ Starting with 1 kW, modularly extendable up to 18 kW
- ✓ Automated Tests
- ✓ Additional hardware components for E-16, E-18, E-19, E-20, E-21, E-22

