



# ELECTRICAL TESTS FOR BATTERIES

## CELL LEVEL

- **72 channels**
  - Voltage: 0.7 V – 5.5 V
  - Current: 100 A charge / 120 A discharge
  - Range: 100 A / 10 A
  - Parallel: up to 12 channels in parallel for max. discharge current of 1440 A
  - Modes: CC, CV, CP and dynamic load profiles
  
- **96 channels**
  - Voltage: 0 – 6 V
  - Current: 150  $\mu$ A – 5 A
  - Modes: CC, CV, CP, dynamic load profiles
  
- **4 channels Impedance Spectroscopy**
  - Voltage: 0 – 20 V /  $\pm$  10 V
  - Current: 0 – 2 A (1 channel 20 A)
  - Frequency: 10  $\mu$ Hz – 80 kHz
  - Modes: PEIS / GEIS



//01 system test benches with climate chambers

## MODULE LEVEL

- **8 test benches**
  - Voltage: 0 – 70 V / 140 V
  - Power: max. 60 kW
  - Modes: CC, CV, CP and dynamic load profiles



//02 various battery topologies



## SYSTEM LEVEL

- **2 test benches**

Voltage: 0 – 500 V / 1000 V

Power: max. 300 kW

Modes: CC, CV, CP and dynamic load profiles

All test equipment can be combined with climatic chambers and protective atmosphere.

## AKKREDITATIONS

- IEC 62660-1
- ISO 12405-4



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