



## BATTERY TESTING SYSTEMS

# AVL BATTERY-TESTER™

## AVL BTS-BT SERIES

### **Product description**

The AVL Battery Tester™ is used for tests and characterizations of all kinds of energy storage systems as well as for quality assurance within the production process.

AVL battery test beds based on state-of-the-art technologies with the TÜV certified safety concept execute performance tests, calendar life and cycle life tests.

### **Applications**

- Test and characterization of traction batteries and other energy storage systems (supercaps, lead-acid, nickel-metalhydride, lithium-ion)
- Quality assurance within the production process
- Durability test, performance tests, calendar life and cycle life tests
- Realisation of different environmental conditions (temperature, humidity) as part of the testruns (optional via climatic chamber)
- Scaleable for state-of-the-art modules und packs



### **Benefits**

- High-End DC power supply in optimized IGBT technology
- Minimum current rise time, high data consistency and excellent degree of automation
- Modular structure for future extensions
- Easy Acquisition and user friendly handling of relevant battery data
- Digital In- and outputs can be added modular and customer specific (optional)
- Integrated measurement unit
- External impedance spectroscopy (EIS) with variable frequency range (optional)
- Stand alone system
- Short circuit proof
- Power recovery
- Emergency Stop
- Air cooling
- Integration of climate chamber (optional)
- Integration of TÜV certified AVL safety concept (optional)
- Transport wheels (optional)

### **Component Description**

The AVL Battery Tester™ consists of one High-End DC power supply, one measure and control unit, and a central software package for parameterization, visualization and data evaluation.

<b>VARIANTS</b>	<b>output voltage</b>	<b>output current</b>	<b>output power</b>	<b>current rise time</b>
<b>AVL BTS-BT/60</b>	6V to 600V	+/- 300A	60kW	2ms
<b>AVL BTS-BT/90</b>	6V to 600V	+/- 300A	90kW	2ms
<b>AVL BTS-BT/120</b>	6V to 600V	+/- 600A	120kW	3ms
<b>AVL BTS-BT/160</b>	6V to 600V	+/- 600A	160kW	3ms
<b>AVL BTS-BT/200</b>	6V to 600V	+/- 600A	200kW	3ms
<b>AVL BTS-BT/260</b>	8V to 800V	+/- 600A	260kW	3ms
<b>AVL BTS-BT/320</b>	8V to 800V	+/- 600A	320kW	5ms
<b>AVL BTS-BT/400</b>	8V to 800V	+/- 600A	400kW	5ms

**Customer-specific adaptations** of the above mentioned system variants are offered on **request**.