

# We test, You produce

## EVB 5100

### EV/HEV - BATTERY MODULE BALANCER

Ideal for rework stations on ev-vehicle production lines equalizes voltage differences between modules adaptable to all ev/hev batteries on the market.

#### Built-in safety features

Hood with auto-lock and anti-pinch system, air cooling fans, emergency stop button, LED status indicators etc. Ideal for rework stations on EV vehicle production lines, the EVB 5100 Battery Module Balancing Machine uses the most efficient technologies to equalize voltage differences between modules. Its wide operating range and customization capabilities, makes the EVB 5100 compatible with all EV/HEV batteries on the market.

#### Highlights

- IDEAL FOR REWORK STATIONS ON EV-VEHICLE PRODUCTION LINES
- EQUALIZES VOLTAGE DIFFERENCES BETWEEN MODULES
- ADAPTABLE TO ALL EV/HEV BATTERIES ON THE MARKET



# EVB 5100

## EV/HEV - BATTERY MODULE BALANCER

### EVB 5100 features

- Battery balancing (charging, discharging) and temperature monitoring for EV/HEV modules
- Wide balancing range: In charge 60V-50A/150V-20A, in discharge max 3000W
- Easily configurable target values, voltage and current thresholds
- Cloud-based platform for data collection, real-time monitoring and reporting
- Monitoring connectors perform voltage/temperature surveillance of each internal cell
- Integrates a module database for easy reference selection
- Fully secure operation and shut down in case of anomaly, thanks to automated security checks
- Futureproof: exchangeable power charger modules and connectors
- Worldwide support through ATEQ subsidiaries and local agents in 32 countries

### Technical specifications

<b>Presentation</b>	Weight: 145 kg Dimensions: 310 x 1051 x 695 mm
<b>Interface</b>	Display 7" touch screen
<b>Power supply</b>	200-240 V, 56/60 Hz Consumption 2kW Max
<b>Communication</b>	Wi-Fi, Bluetooth, Ethernet and USB
<b>Accuracy</b>	Current +/- 0,1A from 0 to 50A Voltage 1 mV from 0 to 40V 10 mV from 40 to 80V 100 mV from 80 to 150V
<b>Charge mode</b>	Power supply 1 60V-50A Power supply 2 150V-20A
<b>Discharge mode</b>	Max power dissipation 3000W Max voltage 150 Vdc - Max current 50 A
<b>Voltage measure</b>	Accuracy power supply 1 5mV Accuracy power supply 2 10mV
<b>Storage and operation condition</b>	Operating temperature 0°C to +40°C Storage temperature -20°C to 55°C Relative humidity 0 to 90% Non-condensing



### Standard equipment

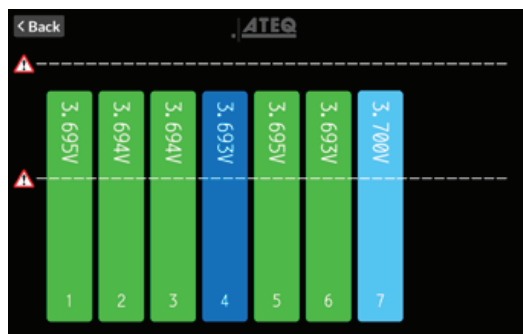
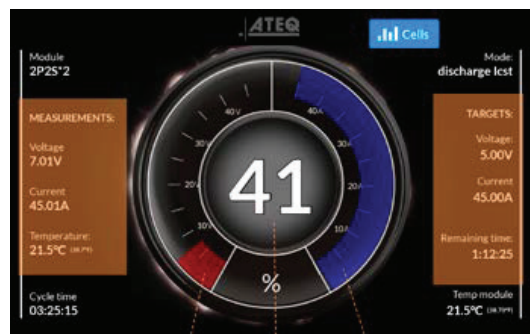
- EVB 5100 station
- 5m power cord
- Charging cable (male/female compliant)
- Cell monitoring cable (customised)

### Options

- EVB 5100 without hood
- Lead-acid battery charger

### Easy operation

Color touch display with digital keypad and user-friendly interface. Integrates a module database for easy selection.



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