

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.

BENEFITS

- 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.

Easy operation

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



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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

Presentation	Weight: 145 kg Dimensions: 310 x 1051 x 695 mm
Interface	Display 7" touch screen
Power supply	100-240 V, 56/60 Hz Consumption 2kW Max
Communication	Wi-Fi, Bluetooth, Ethernet and USB
Accuracy	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
Charge mode	Power supply 1 60V-50A Power supply 2 150V-20A
Discharge mode	Max power dissipation 3000W Max voltage 150 Vdc - Max current 50 A
Voltage measure	Accuracy power supply 1 5mV Accuracy power supply 2 10mV
Storage and operation condition	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

