



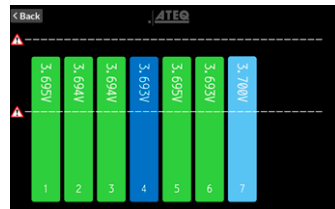
EVB 5100 EV/HEV-BATTERY MODULE BALANCER



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

EASY OPERATION

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



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.

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

EVB 5100

EV/HEV-BATTERY MODULE BALANCER

TECHNICAL SPECIFICATIONS

STANDARD EQUIPMENT

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



Dimensions	310 x 1051 x 695 mm
Weight	145 kg
Display	7" touch screen
Power supply	200-240 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

OPTIONS

EVB 5100 without hood
Lead-acid battery charger

CONTACT US

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