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EVB 5100

EV/HEV BATTERY MODULE BALANCER

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.

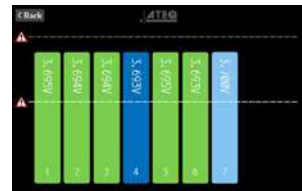
Highlights

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

Easy Operation

Color touch display with digital keypad and user-friendly interface.

Integrated 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.




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Main 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
- Integrated module database for easy reference selection
- Automated security checks for fully secure operation and shut down in case of anomaly
- Futureproof: exchangeable power charger modules and connectors
- Worldwide support through ATEQ subsidiaries and local agents in 37 countries

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 Power supply 2	60V-50A 150V-20A
DISCHARGE MODE	Max power dissipation Max voltage Max current	3000W 150 Vdc 50 A
VOLTAGE MEASURE	Accuracy power supply 1 Accuracy power supply 2	5mV 10mV
STORAGE AND OPERATION CONDITION	Operating temperature Storage temperature Relative humidity	0°C to +40°C -20°C to 55°C 0 to 90% Non-condensing
OPTIONS	EVB 5100 without hood Lead-acid battery charger	

ATEQ