



EB240

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EV Battery Cell Equalizer



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EB240 is a high-precision equalization maintenance equipment designed based on the charging and discharging of EV lithium batteries, which can effectively repair battery module performance problems caused by inconsistent battery cell voltages.



Supports 24-Channel Balancing



Efficient and Precise Cell Balancing



Compatible with All Types of Lithium Batteries



High-Precision Voltage/Current Measurement



Features

1. Capable of simultaneously balancing up to 24 battery cells;
2. Compatible with all common types of lithium-ion batteries available in the market;
3. Intelligent balancing function allows individual balancing of battery cells within a battery module, preventing overcharging or over-discharging of individual cells.

Functions

- 1. Balancing Maintenance:** Supports charging, discharging, and balancing modes for lithium-ion batteries like ternary lithium, lithium iron phosphate, lithium titanate, and lithium manganese;
- 2. Parameter Configuration:** Pre-settable work modes, battery types, voltage thresholds, operating currents, cell series numbers, and other parameters;
- 3. Multiple Protections:** Supports overvoltage, undervoltage, overcurrent, output short circuit, reverse polarity protection, and overheat protection;
- 4. Data Visualization:** Real-time monitoring of voltage, current, charge-discharge status, and capacity of individual cells during the balancing process;
- 5. Data Analysis:** Automatically stores historical balancing records, supports data presentation in both graph and bar chart formats;
- 6. Data Export:** Historical data can be exported to a USB drive as Excel files;

Parameters

Power input	AC90~264V/40~60Hz	Wireless communication	WiFi and BT(external WiFi antenna)
Power	600W Max	Equalize number of channels	2×12Pin
Charge and discharge voltage range	1.8~4.2V	Equalize interface	16Pin
Voltage detection accuracy	±0.1% FS±2mV (maximum range 5V)	Battery interface	24Pin
Charge and discharge current range	0.1~5A Max	Display	7-inch TFT LCD screen,resolution 1024×600
Current detection accuracy	±1% FS±0.05A (maximum range 5A)	Communication Interface	SMA,USB-Device
Battery temperature detection accuracy	±2°C (-25°C~ 85°C)	Charge control	Constant current charging+constant voltage charging
Discharge mode	Constant current discharging + constant voltage discharging		
Protection function	Input over-current protection, over-voltage protection, output over-current protection, over-temperature protection		