



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	10-inch LCD screen, resolution 1280×800
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		