EB240

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EV Battery Cell Equalizer

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		