



**EB480**

# EB480

## EV Battery Cell Equalizer



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EB480 is a high-precision lithium battery equalization maintenance equipment designed based on the charging and discharging of EV lithium batteries, which can effectively repair the problem of reduced cruising range caused by inconsistent battery voltage.



**Supports 48-Channel Balancing**



**Efficient and Precise Cell Balancing**



**Compatible with All Types of Lithium Batteries**



**High-Precision Voltage/Current Measurement**



### Features

1. Supports simultaneous balancing of up to 48 battery cells at maximum capacity;
2. Supports all common types of lithium-ion batteries available in the market;
3. Independent channel design ensures that each individual cell within the module avoids overcharging or over-discharging.

### Functions

- 1. Balancing Maintenance:** Supports automatic determination of working modes and can maintain batteries such as ternary lithium, lithium iron phosphate, lithium titanate, and lithium manganese oxide;
- 2. Parameter Settings:** Allows presetting of parameters such as battery type, voltage thresholds, working current, and the number of cells in series;
- 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 save historical balance records and support curve chart data display;
- 6. Historical Records:** Automatically save historical balance records, support exporting historical data to a USB flash drive as an Excel file or sharing data overview as a PDF file via email or QR code;
- 7. Online Upgrade:** Support online upgrade of equipment, no need to use USB flash drive for local upgrade.

### Parameters

Power input	AC90~264V/40~60Hz	Interface	RJ45×1/USB×2
Power	1200W Max	Equalization channel number	4×12
Charge and discharge voltage range	1.8~4.5V	Balanced interface	26Pin×2
Voltage detection accuracy	±0.1%FS±2mV (maximum range 5V)	Temperature 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)	Charging working mode	constant current charging + constant voltage charging
Battery temperature detection accuracy	±2°C (-25~85°C)	Discharge working mode	constant current discharge
Protection function	over-current protection, over-voltage protection, over-temperature protection		