



iSmartEV EB480

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Battery Pack Cell Equalizer

A 48-channel equalization device for lithium battery module voltage consistency, high precision voltage sampling and accurate charge and discharge voltage & current control.



**Intelligent Cell Testing
Equalization**



**Suitable for All Voltage
Levels**



**Automatic Calibration for
Measurement Accuracy**

Features

■ 48 equalizing channel & single core equalizing design

Support the equalization of up to 4 groups of modules, and each group can equalize up to 12 strings of cores; Support single core precise equalization.

■ Intelligent cell equalization

Support ternary lithium, lithium iron phosphate, lithium manganate and lithium titanate batteries; Support parameter setting, preset the voltage range according to the battery type, and automatically switch the charging and discharging mode to effectively solve the battery consistency problem.

■ High precision equalization

Support high-precision collection of single cell voltage parameters, effectively improve battery pack performance.

■ Multiple protection and security

It has the mechanism of reducing working current to achieve the goal, and makes the voltage of cells in the battery pack infinitely close to the target threshold during the test.

■ Visualization of equilibrium process

Differential comparison between "before" and "after" can export equalization data; The equalization process monitors the voltage parameters and equalization status of each single cell in real time.

Parameters

Power input	AC90~264V/40~60Hz	Equalize number of channels	4 × 12Pin
Power	1200W Max	Equalize interface	26Pins × 2
Charge and discharge voltage range	1.8~4.5V	Battery interface	24Pin
Voltage detection accuracy	±0.1% FS ± 2mV (maximum range 5V)	Display	7-inch TFT LCD screen, resolution 800 × 480
Charge and discharge current range	0.1~5A Max	Communication Interface	SMA, USB-Device
Current detection accuracy	±1% FS ± 0.05A (maximum range 5A)	Charge control	Constant current charging + constant voltage charging
Battery temperature detection accuracy	±2°C (-25°C ~ 85°C)	Discharge mode	Constant current discharging
Wireless communication	WiFi and BT (external WiFi antenna)	Protection function	Input over-current protection, over-voltage protection, output over-current protection, over-temperature protection