

XTOOL

The New Era of Automotive Diagnostic Solutions

Lithium
Battery
Charge-Discharge
Balancing
Device



BEC2415

BEC2415 Lithium Battery Balancer supports up to 20A for both charge and discharge balancing, delivering faster efficiency in both processes. It features advanced software algorithms for high-precision balancing and is compatible with various battery chemistries, including NCM (Nickel Cobalt Manganese) and LiFePO₄ (Lithium Iron Phosphate). The device is equipped with multiple protection features, including undervoltage, overvoltage, overcurrent, short-circuit, and reverse polarity protection. Its compact and lightweight design makes it easy to carry and operate.

COMPATIBLE WITH ALL LITHIUM BATTERIES

Supports various battery chemistries including NCM (Nickel Cobalt Manganese) and LiFePO₄ (Lithium Iron Phosphate).

CHARGE-DISCHARGE BALANCING

Compatible with all lithium batteries on the market.
High current capacity: charging current 0.1–15A, discharging current 0.1–20A, significantly improving work efficiency. After balancing, the voltage difference between cells is less than 5mV.

20A HIGH CURRENT

Supports up to 20A for faster charging and discharging.

MULTIPLE PROTECTION FEATURES

Reverse Polarity Protection
Overvoltage Protection
Overcurrent Protection
Overtemperature Protection

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PRODUCT FEATURES

Supports internal resistance testing	High balancing accuracy and fast speed
Charge & discharge balancing	Multiple protection functions
20A high current	Compact and lightweight, easy to carry
24-channel simultaneous balancing	

SPECIFICATIONS

Balancing Accuracy	1mV	Input Voltage	AC220V±15% 50Hz
Device Size	490.75*314*341.5(mm)	Maximum Allowable Charge Current	15A
Voltage Sampling Accuracy	5V ±0.10%FS	Operating Temperature	-10°C~40°C
Device Weight	13kg	Storage Temperature	-20°C~50°C
Power Consumption	<100W	Balancing Voltage	2V~4.2V (adjustable)

MORE DETAILS

