



iSmartEV ED500

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Battery Equalize & Charge-discharge Tester



A lithium battery charging/discharging and equalizing maintenance integrated device, which combines functions and is widely used.

Features

■ Multi-purpose of one machine

Integrated lithium battery charge-discharge and equalization functions, optimized battery pack maintenance test process.

■ Charge discharge & equalization

Supports high-current and high-efficiency charging and discharging mode, meeting daily charging and discharging requirements of lithium batteries.

Parameter Settings are supported. The voltage range can be preset based on the battery type, and the balancing mode can be changed by itself to effectively solve the battery consistency problem.

■ Multiple protection and security

Warning for polarity reverse connection, overtemperature, short-circuit overcurrent, fan fault, overvoltage, and overhigh current.

■ Visualization of operation process

Differential comparison between "before equalization" and "after equalization" can export balanced data Real time monitoring of voltage parameters, group terminal voltage, output current and equilibrium state of each single cell, process visualization.

Parameters

Power input	AC 100V~264V /50~60Hz	Voltage range	DC 2V~260V
Display	7-inch TFT LCD screen, resolution 800×480	Voltage accuracy	±0.2%FS + 0.1V
Number of channels	2×12	Voltage resolution	0.001V@0-30V,0.01V@30.01V-260.00V
Power output	Voltage:1.8V~4.5V; current:0~5A	Charging current range	1A~100A
Wireless communication	Wi-Fi	Charging & discharging power	Charging4.4kW,Discharging7.2kW
PC data communication	USB(Type-A),RS485,CAN	Current resolution	0.1A
Charge & discharge control	constant current / voltage charging, constant current discharging	Current accuracy	±0.5%FS + 0.1A
Charge&discharge protection	over-current, over-voltage, power failure, reverse connection	Temperature protection	Resistance box85°C;Radiator100°C