



**EP260**

# EP260

## EV Battery Charge & Discharge Equipment



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The EP260 is a battery pack module integrated charge-discharge machine designed based on the characteristics of lithium-ion batteries used in electrical vehicles. It can efficiently perform the charging, discharging, and balancing of battery pack modules, thereby enhancing the efficiency of battery pack maintenance.

 **Safe and Efficient Charging and Discharging**

 **Overcharge and Overdischarge Protection**

 **Battery Capacity Optimization**

 **Multiple Safety Alerts**



### Features

1. Utilizes cutting-edge charge-discharge testing technology to prevent interference with the BMS system;
2. Designed with a wide voltage range and equipped with various built-in charge-discharge modes, meeting the voltage and current requirements of diverse battery pack modules during charge-discharge operations, ensuring safety and enhancing efficiency;
3. Allows flexible configuration of charge-discharge rules and activation cycles, effectively enhancing battery capacity;
4. Equipped with safety features including reverse polarity protection, high-temperature alert, over-current protection, fan failure detection, over-voltage warning, and excessive current alert, ensuring hardware safety.

### Functions

- 1. Single Cell and Group Terminal Voltage Acquisition:** Supports real-time acquisition of group terminal voltage and individual cell voltage;
- 2. Single Cell Protection:** Can set cell current and voltage protection thresholds to prevent overcharging and over-discharging;
- 3. Data Visualization:** Real-time monitoring of voltage of individual cells, group terminal voltage, group terminal current, charge-discharge status, and capacity during the charge/discharge process;
- 4. Data Export:** Automatically stores historical charge-discharge records, supports historical data export to a USB drive as Excel files;

### Parameters

Powerinput	AC90~264V/40~60Hz	Discharge current range	Max current:100A / max power:7.2kW
Display	7-inch TFT LCD screen,resolution 1024×600	Charge control	Constant current charging + constant voltage charging
Data communication	CAN,RS485	Discharge mode	Constant current discharge
Group terminal voltage accuracy	$\leq \pm 0.5\%FS + 0.3V$ , resolution:0.1V	Charge、discharge protection	Overcharge and over-discharge protection, over-high temperature protection
Single voltage accuracy	$\leq \pm 0.1\%FS + 5mV$ , resolution:0.001V	Host protection	Over-temperature, over-current and out-of control current trigger shutdown protection
Test current accuracy	$\leq \pm 1\%FS + 0.2A$ , resolution:0.1A	Reverse polarity protection	Supported
Charge and discharge voltage range	DC 2~260V	Abnormal protection	Power cord power failure, main cable power failure
Charge currentrange	Maximum current 100A, maximum power 4.4kW	Over-temperature protection	The resistance box over-temperature is 85°C; Radiator over temperature is 100°C