



iSmartEV EP260



iSmartEV EP260

Battery Pack Module Charging and Discharging Integrated Machine

It employs the state of the art charging and discharging technique, and according to the charging and discharging characteristics of lead-acid batteries and lithium-iron batteries, a variety of test and maintenance modes are built in, which is suitable for the discharging, charging, cyclic charging and discharging tests of various lead-acid batteries and lithium-iron batteries available in the market.



Safe And Efficient Charging And Discharging



Battery Capacity Optimization



Overcharge And Discharge Protection



Multiple Safety Warning

Features

Multi-purpose

Wide voltage range design, suitable for different voltage level module discharging, charging, activation testing.

Efficient charging mode

Ensure that the battery pack is fully charged, greatly improve the charging efficiency.

Information collection

It can collect the highest/lowest voltage, temperature and other data of a single string battery. The collected data are displayed on the screen in the form of column chart, report form and curve, which can be zoom in/out locally for easy viewing.

Multiple discharge modes

high-efficiency aviation original materials and advanced control technology are adopted to ensure high-efficiency discharge.

Battery pack activation

Freely set charging and discharging rules and number of activation times to effectively improve battery capacity.

Protection alarm

Reverse polarity, too high temperature, short overcurrent, fan failure, too high voltage, too large current will be alarmed.

Parameters

Power input	AC90~264V/40~60Hz	Discharge current range	Max current : 150A/ max power : 7.2kW
Display	7-inch TFT LCD screen, resolution 800×480	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 current range	Maximum current 100A, maximum power 4.4kW	Over-temperature protection	The resistance box over-temperature is 85°C; Radiator over temperature is 100°C