

Battery Discharger & Capacity Tester

General information about ADBC-121DC Battery Discharger & Capacity Tester:

Bluetooth Wireless Module: for 1.2V/ 2V/ 6V/ 12V batteries voltage monitoring

Each wireless module can monitor 4 batteries simultaneously: comparing with the traditional method that each module only can monitor 1 battery, the new wiring operation become easier because the quantity of new modules needed is only a quarter of old-fashioned modules. (only 6 new wireless modules for 48V battery groups)

Available for offline & online discharging test of multiple battery groups:(up to 4 groups) ADBC-121DC can simultaneously record the actual discharge currents of each battery groups in the test.

The discharge current is continuously adjustable: and automatically keep stable during the online discharging, the current displayed in LCD = the discharge current of battery group = the current created by main machine + the current of the actual load. Because during the discharging the current of the actual load probably changing according the decrease of the online voltage, ADBC-121DC main machine can automatically adjusted to keep the current stable in the whole testing.



Other optional:

Offering manual function for setting the battery number: which voltages below the threshold value this design could help you to locate more lag batteries in once constant discharging

Support to connect several ADBC-121DC extension loads in parallel ADBC-121DC can connect more than one extension loads and fulfill the synchronization control in the discharging

Applying the electric heating component made by aeroalloy for the power consumption section new generation material level up the coefficient of safety and the transition rate between electricity and heat, meanwhile reduce the volume and weight

Automatic calculating function for the discharging current. ADBC-121DC installs the discharge current formulae for all hour rate internally, so the setting interface can tell users the suitable discharge currents without manual calculation according to the marked capacities of battery groups and the testing hour rates

Real time detect and display the voltage data of each battery during the discharging and display the histogram of all batteries to follow the battery voltage tracks in whole discharging process, using the different colors to highlight the lowest and the highest voltage can simplify the analysis of the variety of battery voltages

The presetting function for discharge parameters ADBC-121DC provide 8 locations for setting up all discharge parameters in advance.

Intelligent judge program ADBC-121DC can identify the situations that the battery voltages reach the threshold value or the signal missing by manual mistake.

8M internal memory ADBC-121DC main machine can record several sets of data independently.

Flexible power supply mode adopting AC&DC double power supply modes is available for the discharge test of a variety of telecom equipment rooms and base stations

5.7 inch colorful touching LCD screen the big touching screen can fulfill the click operation on the screen easily and directly, and show all parameters and the voltage histogram in the discharging process

Allow connecting with PC during the discharging for downloading the real time data or use USB memory devices to download the integral data after the discharging process, PC analysis software assists users to analyze the data and create test report



Technical specification of the device:

Type: ADBC-121DC	20CT	60CT	90CT	150CT	190CT	196CT	300CT	600CT	1000CT
DC Input									
Test Voltage Level	20-60V		90-150V		190-265V	196-300V	300-600V		
Discharge Current	0-150A	0-300A	0-100A	0-300A	0-60A	0-150A	0-30A	0-60A	0-100A
Working Mode	single main machine / multiple main machine / main machine + extension load(s)								
Protective Measures	Input over-voltage protect: LCD prompt, beep warning Battery electrode inversed connecting protect: LCD prompt, beep warning Over-current protect: LCD prompt, beep warning Overheat protect (over 85°C): LCD prompt, beep warning								
Accuracy	discharge current: $\pm 0.5\%$ / group voltage: $\pm 0.5\%$ / battery voltage: $\pm 0.5\%$								
PC Communication	RS232 socket								
Internal Memory	8 Mbit FLASH								
Working Conditions									
Cooling Mode	Air cooling								
Temperature	working: -5~50°C / storage: -40~70°C								
Humidity	RH: 0~90%(40±2°C)								
Altitude	Available below 4000m								
Noise	< 60dB								
Power Supply									
Voltage	single-phase 3-wire 220Vac (-20%~+30%), frequency: 45~65Hz IDCE-4815CTE/4830CTE can also support power source from the testing battery group (DC18~56V)								
Withstand Voltage	input-shell: 2000Vdc 1min / input-output: 2000Vdc 1min / output-shell: 700Vdc 1min								
Wiring									
AC Input	standard socket, available for 1~1.5 mm ² cable								
DC Output(mm)	Φ50.0	Φ120.0	Φ50.0	Φ120.0	Φ16.0	Φ50.0	Φ16.0	Φ50.0	Φ50.0
Mechanical Characters									
Dimension(mm)	IDCE-4815CT: 524×224×395 IDCE-4830CT/IDCE-2206CT/ IDCE-6003CT: 644×224×395 IDCE-1110CT: 682×224×395					IDCE-1203CT/IDCE-2415CT: 910×224×629 IDCE-6006CT: 792×255×557 IDCE-60010CT: 981×283×708			
Weight(kg)	13	18	24	52	18	52	18	40	52

