

Battery Discharger & Capacity Tester

General information about ADBC-122DC Battery Discharger & Capacity Tester:

- ✓ For 48V/24V DC battery group discharge test
- ✓ 5.7 inch LCD touch screen for easy operation and showing various parameters real time
- ✓ 4 adjustable stop points and multiple alarm designs to control the discharge process intelligently
- ✓ Support RS232 real time monitoring by PC or USB download data after discharge
- ✓ PC software for capacity valuation and report generation
- ✓ Optional wireless modules for 1.2V/2V/6V/12V cells voltage real time measuring

FEATURES:

Adjustable Current: ADBC-122DC can provide 0-150A (steps: 1A) adjustable current for different test requests. During the test, the current will keep constant.

Multiple Adjustable Stop Points: ADBC-122DC offers 4 adjustable points for test stop points to avoid excessive discharge.

Multiple Power Supply: ADBC-122DC can support DC or AC power supply. Even the power outage happens during the test, the discharger can still keep working.

5.7 inch Touch LCD Display: Super big size touch LCD can display all real time data and graphs, support the click operations directly, humanized input method and menu designs simplified operating process.



Other features:

Presetting Function:

The presetting function for discharge parameters provide 8 locations for setting up all discharge parameters in advance, this design can skip the setting procedures for the same discharging, simplify the operation and speed up the test.

Internal Memory:

ADBC-122DC can save several independent discharge records automatically without Laptop monitoring, non-volatile internal memory guarantees the data security even in unexpected shutdown.

The menu interface provides some management operations like reviewing, deleting, downloading to PC by USB disk or RS232

Optional wireless cells voltage monitoring:

Wireless modules for cells voltage measuring are available for 1. 2V/2V/ 6V/ 12V batteries voltage monitoring during discharge test.

Each wireless module can monitor 4 batteries simultaneously. Compared with the traditional cable voltage measuring method that each module only can monitor 1 battery, the new wiring operation is much easier. With proper number wireless modules, main tester can real time scan 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. Intelligent judge program: ADBC-122DC can identify the situations that the battery voltages reach the threshold value or the signal missing by manual mistake. Avoiding manual interruption in the discharging, this revolutionary program makes the test stable and smooth. ADBC-122DC also supports cable modules for special requirements .

Extendable and Compatible:

Connecting with clamp current, ADBC-122DC cooperate other types in ADBC-122DC series or any other load units, and clamp current can count external current in.

PC Analysis Software:

Support data downloading and analyzing through real time communication or USB memory devices.

The software interface includes: battery voltages curve and bar chart, battery resistances bar chart, group voltage curve, current curve, capacities histogram, data form and so on.

Powerful capacity estimating function, the software can predict the capacity of each battery in the tested group.

The software shows the data by various ways like bar charts, curve and form. Users can magnify or minify any windows to read more details.

Automatically create EXCEL data report, it's so convenient to send or download the data.



Technical specification of the device:

Technical Details			
Type:ADBC-122DC	200CT	60CT	60CT
12V(10~15V)	200A Max	60A Max	60A Max
24V (21.6~28V)	300A Max	120A Max	120A Max
36V (32~43V)	300A Max	120A Max	120A Max
48V (43.2~58V)	300A Max	120A Max	120A Max
96V/110V(70~140V)	-	120A Max	120A Max
220V/240V(40~300V)	-	60A Max	60A Max
380V/480V(300~480V)	-	-	35A Max
Max Power	16kW	18kW	17kW
Power Cable Size	120mm²	50mm²	
Max Extension Current	720A Max(120A internal + 600A external)		
Discharge Mode	Constant Current, Constant Power, Constant Resistance		
Accuracy	Current: $\leq\pm 0.5\%$, Group Volt: $\leq\pm 0.5\%$, Cell Volt: $\leq\pm 0.5\%$		
PC Communication	RS232 serial communication		
AC Power Supply	220 V AC (-20% to +30%) 50/60 Hz		
Over-Temp Protection	Resistor Box over 85°C;Air Cooler over 100°C		
Withstand Voltage	Input-Shell: 2000Vdc 1min Input-Output: 2000Vdc 1min Output-Shell:700Vdc 1min		
CE Certificate	LVDstandard : 2006/95/EC:EN 61010-1:200 EMCstandard : 2004/108/EC Annex II: EN61000-6-1:2007 EN 61000-6-3:2007 EN 61000-3-2:2006+A2:2009 EN61000-3-3:2008		
Environment	Storage Temperature: -40~70°C Humidity: 5~95% RH Cooling: Force Air Cooling Work Temperature: -5~40°C		
Dimension / Weight	670×230×370(mm) / 26kg(820), 24kg(840), 25kg(860)		

