

# Battery Discharger Tester

## General information about ADBC-106DT Battery Discharger Tester

### Key Functions:

#### On-line monitoring function:

when the battery pack is under the state of online discharge, uniform charge and floating charge, perform real-time online monitoring for all cells. The monitoring items include pack voltage, cell voltage, charge/discharge current, monitoring time of battery pack, charge/discharge capacity of battery pack and etc.

The user can also monitor the temperature of each cell, so that it is better to control the situation of each cell. (optional function)

#### Discharge function:

Perform discharge of constant current taking advantage of intellectualized dummy load after the battery pack is removed from system, set up the parameters of “discharge current”, “discharge time”, “discharge capacity”, “final protective voltage of whole pack” and “final protective voltage of cell”, and the tester could carry out discharge function automatically, display discharge current, battery discharged capacity, the whole pack voltage, cell voltage, discharge time and etc; when the pack reaches setup value of final discharge voltage, setup value of final discharge capacity, setup value of final discharge time, any cell voltage which is below setup value of final cell voltage or manual final operation could stop discharge test.



## Key Features:

### Expandability:

According to the cells quantity of the battery string, the user can set up the cell quantity discharge. In view of the battery string 48V, it performs 4 battery strings for the on-line monitoring or discharging.

### Safety and reliability:

No need manually correcting voltage.:

Unlike the most tester on the market, this tester doesn't need to correct the voltage manually. So it can ensure the accuracy of the test.

### Real-time storage data:

Save 10 groups of on-line monitoring data, 10 groups of discharge data. So the user can query, delete and export the data.

### Convenience and speediness

Connect to PC, it can carry out test control directly and real-time monitoring for instrument, meanwhile performs pattern analysis by software on PC.

English menu, simple operation, and clear flow, brief clue of every interface and mistaking operation protect.

### Powerful communication function

With RS232 interface and SD card. The user can perform long-term historical data storage and analysis.

### Self-protection

When the instrument detects abnormal phenomenon of battery or working, it automatically stops testing for protecting battery.

7 inch LCD color display screen with high performance.

### Comprehensive analysis software

This software is English designed, and it can automatically create voltage/current histogram, curve chart and test report (including Excel table and Word document).



## Technical specification of the device:

Model	ADBC/15	ADBC/15	ADBC/30	ADBC/05	ADBC/10	ADBC/04	ADBC	ADBC/03	ADBC/05
Cell voltage measurement type	2V/6V/12V								
Cell voltage measurement range	2V:0~4V; 6V:0~8V; 12V:0~15V								
Cell voltage resolution	2V/6V:0.001V; 12V:0.01V								
Voltage measurement range of battery string	0~30V	0~60V	0~60V	0~135V		0~270V	0~270V	0~450V	0~450V
String voltage resolution	0.01V			0.1V					
Voltage testing accuracy	0.5%								
Discharge current working range	2~150A	2~150A	2~300A	2~50A	2~100A	2~40A	2~80A	2~30A	2~50A
Constant current discharge voltage range	21V~30V	42V~60V	42V~60V	90~140V	90~140V	180~270V	180~270V	340~450V	340~450V
Discharge Power	Max. 4.5kw	Max. 9kw	Max. 18kw	Max. 7kw	Max. 13.5kw	Max. 13.5kw	Max. 21.6kw	Max. 13.5kw	Max. 22.5kw
Current testing accuracy	1%								
Battery capacity check range	20Ah~1500 Ah	20Ah~1500 Ah	20Ah~3000 Ah	20~500Ah	20~1000Ah	20~500Ah	20~1000Ah	20~300Ah	20~500Ah
Current testing accuracy	1%								
Capacity check testing range extension	One external load added, the testing capacity range doubled								
Cell data collection method	wire								
Monitoring current range	0~300 A								
Working voltage	AC220±15%								
Cooling mode	Refrigeration by blast								
Working environment	0°C~40°C; 20%~80%RH								
Storage condition	-20°C~70°C storage and transport								
Communication mode	RS232 communication								
Data storage mode	SD card								
Display mode	7 inch TFT								

