

# **HZHH-300 Battery Tester**

## **USER MANUAL**

**Huazheng Electric Manufacturing(Baoding) Co.,Ltd**



## **I . General description**

HZHH-300 intelligent active instrument is a professional product for backward battery. It is holding 3 separated mode such as releasing electricity, charging, and active mode. According to different battery situation we can test the power value of backward battery, we can charge it under low continuous current, or set some circulations for minimum battery to charge and discharge. Then the battery will be activated and increase battery power volume. This instrument will be supplied with software for uploading data to PC do further analyze.

## **II Main Function**

### **Single battery active:**

When the battery is being charged or offline we can active it. Before active we need to set circulations times and single active period to protect voltage parameter. The instrument will achieve active automatically and display battery voltage, charge/discharge current, charge/discharge volume, time, etc. If battery achieves the set result it can stop active circulation itself or by manual

### **Single battery discharge:**

The active instrument will discharge single battery under continuous current. Set discharge current, time, volume, ending voltage, etc. The instrument will begin discharge automatically and display discharge current, volume, voltage, time, etc. If battery achieves set aim it can stop discharge itself or by manual

### **Single battery charge:**

When the battery is being charged or offline it can charge the battery automatically. Set power, time, ending voltage, etc. the instrument will begin charge automatically and display power, volume, voltage, time, etc. When battery achieves set aim it can stop discharge itself or by manual

## **III Main features:**

- Large data storage: Big volume can store 10 different data of active, 10 different data of discharge, 10 different data of charge. Users can check, delete and download data
- Including both RS232 communication port and USB port. The data can be transferred to PC. The database can keep and analyze historical data in long time. U disc can transfer data flexibly
- During test if instrument is any problem it will stop test at once to protect battery
- Instrument control unit and power unit are designed as one unit. Monitor unit adopted A/D, D/A to make measure and control more exact and fast



- This software designed in ENGLISH completely. It can make voltage/current curve automatically as

Model	HZHH-300		
Single voltage	2V/6V/12V		
Single battery voltage	2V:0~3V	6V:4~8V	12V:8~15V
Single voltage resolution ratio	2V/6V:0.001V;12V:0.01V		
Voltage test precision	0.5%		
Charge/Discharge current	2V:2A~100A	6V:2A~30A	12V:2A~30A
Current control precision	0.1A		
Current test precision	1%		
Battery volume range	20Ah~1000Ah	6V:20Ah~300Ah	12V:20Ah~300Ah
Working voltage	AC 220±15%		
Communication way	RS232 & USB		
Cooling way	Forced air cooling		
Working condition	Tem: 0°C~40°C Humidity: 20%~80%RH		
Maintain condition	-20°C~70°C Store it with package		
Display	7" coloured LED display		
Overall Dim.	210×240×280mm		
Weight	7kg		
Carry way	Portable		

well we the inspection report (Including Excel and Word format):