

# **High Accuracy Battery Capacity Tester with Voltage Equalizer Instrument Specifications (HT-ED10AC20)**

**Heltec Energy**

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## 1. Features Introduction

Each channel is equipped with a dedicated processor to ensure perfect capacity calculation, timing, voltage and current control.

- Full channel isolation test, can directly test the whole battery cell.
- Single 5V/10A charge/discharge power.
- Fully compatible with lithium iron phosphate, lithium ternary, lithium cobaltate, NiMH, NiCd and other types of batteries
- 18650, 26650 LiFePO4, No.5 Ni-MH batteries, pouch batteries, prismatic batteries, single large batteries and other battery connections.
- Independent air ducts for heat sources, temperature-controlled speed-controlled fans.
- Cell test probe height adjustable, scale scale for easy leveling.
- Operation detection status, grouping status, alarm status LED indication.
- PC online device testing, detailed and rich test settings and results.
- With CC constant current discharge, CP constant power discharge, CR constant resistance discharge, CC constant current charge, CV constant voltage charge, CCCV constant current and constant voltage charge, shelving and other test steps can be called.
- Customizable charging or discharging parameters; e.g. charging voltage.
- With work-step jumping capability
- Can implement the grouping function, test results are grouped according to custom criteria and marked on the device to display the function.
- With test process data recording function.
- With 3 Y-axis (voltage, current, capacity) a time axis curve drawing capability, and data report function.
- Test status pane color customization, when the number of tests is large, you can easily visualize the detection status of all devices.

## 2. Technical Parameters and Environmental Requirements

- Input power: AC200V~245V @50HZ/60HZ 10A.
- Standby power 80W; full load power 1650W.
- Allowable temperature and humidity: ambient temperature <35 degrees; humidity <90%.
- Number of channels: 20 channels.
- Inter-channel voltage resistance: AC1000V/2min without abnormality.

## 3. Parameters Per Channel

- Maximum output voltage: 5V.
- Minimum voltage: 1V.
- Maximum charging current: 10A.
- Maximum discharge current: 10A.
- Measurement voltage accuracy:  $\pm 0.02V$ .
- Measuring current accuracy:  $\pm 0.02A$ .
- Applicable systems and configurations of the upper computer software: Windows XP or above systems with network port configuration.

## 4. Product Appearance

