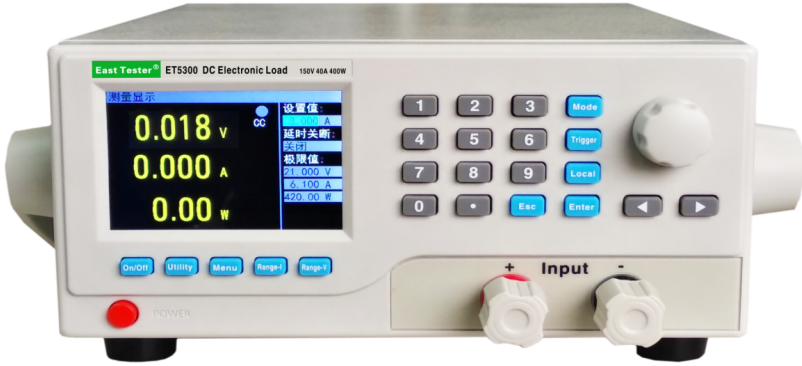




# ET5304 DC programmable electronic load



ET53 series DC programmable electronic load provides 1mV/10mV, 1mA/10mA high resolution and precision with superior performance. It is equipped with 12 common modes and complete test functions, which can be widely used in charger, switching power supply, linear power supply, battery and other production line testing.

### **Key Features:**

#### **Ø User-friendly Design:**

- It adopts 3.5-inch TFT LCD screen with rich display contents and supports Chinese and English display;
- The operation process is simple and convenient, and with visual interface display system, it is easy to get started.
- Key lock function to prevent misoperation;

#### **Ø High-performance load:**

- It provides CC, CV, CR, CP and CC+CV, CR+CV several basic measurement modes;
- It provides professional battery test;
- It provides professional LED test;
- The Tran test mode can test the dynamic output performance of the power supply;
- The scan test mode can test the continuity of power output within a certain range;
- Support 4-wire measurement;
- The list test mode can simulate a variety of loading status changes;
- The short circuit test can be used to simulate load short circuit;
- Support external trigger input;
- Built-in buzzer alarm;
- Maintain data storage in case of power failure;
- Remote operation via USB, RS-232 or 485 (optional) interfaces;

#### **Ø Multiple safety protection:**

- It provides overcurrent, overvoltage, overpower, over temperature protection. The overvoltage and overcurrent parameters can be set flexibly, so as to effectively protect the load;
- It has intelligent fan speed control function, which can effectively reduce the fan noise when it is working.
- With input polarity reverse prompt;

## Technical Specification

|                             |                                     |                          |
|-----------------------------|-------------------------------------|--------------------------|
| Model                       | ET5304                              |                          |
| Rated input                 | Power                               | 400W (200W*2)            |
|                             | Input voltage                       | 0-150V                   |
|                             | Input current                       | 0-60A(30A*2)             |
| CV mode                     | Range                               | 0.1~19.999V, 0.1~150.00V |
|                             | Resolution                          | 1mV, 10mV                |
|                             | Accuracy                            | ±(0.05%+0.02%FS)         |
| CC mode                     | Range                               | 0~3.000A, 0~30.00A       |
|                             | Resolution                          | 1mA, 10mA                |
|                             | Accuracy                            | ±(0.05%+0.05%FS)         |
| CR mode                     | Range                               | 0.05Ω~1 kΩ, 1 kΩ~4.5kΩ   |
|                             | Resolution                          | 10mΩ, 100mΩ              |
|                             | Accuracy                            | ±(0.1%+0.5%FS)           |
| CP mode                     | Range                               | 0~200W                   |
|                             | Resolution                          | 10mW                     |
|                             | Accuracy                            | ±(0.1%+0.5%FS)           |
| Tran Test                   | Mode                                | CC, CV                   |
|                             | T1&T2                               | 50ms~60s ;               |
| Battery Test                | Accuracy                            | CC, CR                   |
|                             | Discharge mode                      | 9999Ah                   |
|                             | Maximum discharge capacity          | 1mA, 10mA, 10mΩ, 100mΩ   |
| Range of measurement        |                                     |                          |
| Voltage read-back value     | Range                               | 0~19.999V,0 ~150.00V     |
|                             | Resolution                          | 1mV,10mV                 |
|                             | Accuracy                            | ±(0.05%+0.1%FS)          |
| Current read-back value     | Range                               | 0~3.000A,0~30.00A        |
|                             | Resolution                          | 1mA,10mA                 |
|                             | Accuracy                            | ±(0.05%+0.1%FS)          |
| Power read-back value       | Range                               | 200W                     |
|                             | Resolution                          | 10mW                     |
|                             | Accuracy                            | ±(0.1%+0.5%FS)           |
| Scope of protection         |                                     |                          |
| Overvoltage protection      | >21V or 155V overvoltage protection |                          |
| Overcurrent protection      | >3.1A or 31A input cut off          |                          |
| Overpower protection        | 210W                                |                          |
| Over-temperature protection | 85°C                                |                          |

**General technical specifications:**

- Power supply voltage: 220Vac±10%, 110Vac±10%, 45-65Hz
- Display: 3.5-inch TFT LCD screen with resolution of 480×320
- Operating temperature: 0°C to 40°C
- Storage temperature: -10°C to 70°C
- Relative humidity: < 80%
- Interface: standard USB, RS232 or 485(optional)
- Size: 320mm×220mm×100mm (width × height × depth)

**Standard accessories:**

- Three-core power cord 1
- Power fuse 2
- User manual 1

**Optional accessories:**

- Light disk
- USB cable
- 232 cable
- Output wire