East Tester®

ET54XX A+ PROGRAMMABLE ELECTRONIC DC LOAD

SINGLE / DUAL CHANNEL

HANGZHOU ZHONGCHUANG ELECTRON CO., LTD

Product Basic Function

ET54XXA+ programmable DC 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:

User-friendly Design:

- It adopts 2.8-inch TFT LCD screen with rich display contents;
- 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;

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;
- 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 (DB9 interface is required);
- Built-in buzzer alarm;
- Maintain data storage in case of power failure;
- Remote operation via USB, RS-232 (optional) or 485 (optional) interfaces;

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;

General technical specifications:

- Power supply voltage: 100Vac±10%~240Vac±10%，50/60Hz
- Display: 2.8-inch TFT LCD screen with resolution of 320×240
- Operating temperature: 0℃ to 40℃
- Storage temperature: -10℃ to 70℃
- Relative humidity: < 80%
- Interface: standard USB, optional RS232(or 485)
- Size: 90mm×190mm×300mm (width × height × depth)

Standard accessories:

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

SPECIFICATIONS

MODEL		ET5410A+	ET5411A+	ET5420A+
Rated input	Power	400W	400W	400W（Dual-Channel，200W*2）
	Input voltage	0-150V	0-500V	0-150V
	Input current	0-40A	0-15A	0-40A(20A*2)
CV mode	Range	0.1~19.999V,0.1~150.00V	0.1~19.999V,0.1~500.00V	0.1~19.999V，0.1~150.00V
	Resolution	1mV,10mV		1mV，10mV
	Accuracy	±(0.05%+0.02%FS)		±(0.05%+0.02%FS)
CC mode	Range	0~3.000A,0~40.00A	0~3.000A,0~15.00A	0~3.000A，0~20.00A
	Resolution	1mA,10mA		1mA，10mA
	Accuracy	±(0.05%+0.05%FS)		±(0.05%+0.05%FS)
CR mode	Range	0.05Ω~1 kΩ，1 kΩ~4.5kΩ		0.05Ω~1 kΩ，1 kΩ~4.5kΩ
	Resolution	10mΩ，100mΩ		10mΩ，100mΩ
	Accuracy	±(0.1%+0.5%FS)		±(0.1%+0.5%FS)
CP mode	Range	0~400W		0~200W
	Resolution	10mW		10mW
	Accuracy	±(0.1%+0.5%FS)		±(0.1%+0.5%FS)
Tran Test	Mode	CC，CV		CC，CV
	T1&T2	50ms~60s；		50ms~60s
Battery Test	Discharge mode	CC，CR		CC，CR
	Maximum discharge capacity	9999Ah		9999Ah
	Resolution	1mA，10mA，10mΩ，100mΩ		1mA，10mA，10mΩ，100mΩ
Range of measurement				
Voltage read-back value	Range	0~19.999V,0~150.00V	0~19.999V,0~500.00V	0~19.999V,0 ~150.00V
	Resolution	1mV,10mV		1mV,10mV
	Accuracy	±(0.05%+0.1%FS)		±(0.05%+0.1%FS)
Current read-back value	Range	0~3.000A,0~40.00A	0~3.000A,0~15.00A	0~3.000A,0~20.00A
	Resolution	1mA,10mA		1mA,10mA
	Accuracy	±(0.05%+0.1%FS)		±(0.05%+0.1%FS)
Power read-back value	Range	400W		200W
	Resolution	10mW		10mW
	Accuracy	±(0.1%+0.5%FS)		±(0.1%+0.5%FS)
Scope of protection				
Over Voltage Protection(OV)		＞21V OR ＞155V over voltage protection	＞21V OR ＞510V over voltage protection	＞21V or ＞155V over voltage protection
Over Current Protection(OC)		＞3.1 or ＞42A over current protection	＞3.1 or ＞16A over current protection	＞3.1A or ＞22A over current protection
Over Power Protection(OP)		410W		210W
Over Temperature Protection		85℃		85℃