



Programmable DC Electronic Load



ET54 series single/double channel programmable dc electronic load, USES the high performance chip, high speed, high precision design, provide 1mV、1mA resolution, superior performance, can be widely applied to the charger, switching power supply, linear power supply, production test of all kinds of batteries and other industries, scientific research institutions such as the test research and development.

Product features:

humanized design.

2.8-inch TFT LCD display, rich display content, support Chinese and English display;
Simple and convenient operation process, with intuitive interface display system, easy to use;
It has the function of key lock to prevent misoperation.

high-performance load:

The basic measurement modes of CC, CV, CR, CP, CC+CV, CR+CV are provided.

Provide professional battery test and LED test;

Dynamic test mode, can test the dynamic power output performance;

Scanning test mode can test the continuity of power output within a certain range.

List mode, which can simulate various loaded state changes;

Short circuit test for simulating load short circuit;

The measurement model of the far end can improve the measurement accuracy when the current is high.

Support external trigger input;

Built-in buzzer alarm;

Power off to maintain data storage function;

Remote operation can be carried out through RS-232 interface and USB Device interface.

With PS2 interface, support external keypad to set data values;

safety protection:

With overvoltage, overcurrent and overpower protection functions, overvoltage and overcurrent parameters can be set flexibly to effectively protect the load.

It has the function of secondary over-temperature protection to realize the double over-temperature protection of software and hardware.

It has the function of intelligent fan speed control, which can effectively reduce the working fan noise.

With output polarity reverse protection;

Main technical indicators:

Model		ET5410	ET5420	ET5411
channel NO.		Single channel	double channel	Single channel
Rated input	power	400W	400W	400W
	input voltage	0-150V	0-150V	0-500V
	Input current	0-40A	0-20A×2	0-15A
Constant voltage	range	0.1~19.999V		0.1~19.999V
		0.1~150.00V		0.1~500.00V
	Resolution	1mV 10mV		
	accuracy	±(0.05%+0.02%FS)		
Constant current	range	0~3.000A	0~3.000A	0~3.000A
		0~40.00A	0~20.00A	0~15.00A
	Resolution	1mA 10mA		
	accuracy	±(0.05%+0.05%FS)		
Constant resistance	range	0.05Ω~10Ω		
		10Ω~7.5kΩ		
	Resolution	16bit		
	accuracy	±(0.1%+0.8%FS)		
Constant power	range	0~400W		
	Resolution	10mW		
	accuracy	±(0.1%+0.1%FS)		
Dynamic test function	model	CC		
	T1&T2	50μs~3600s ; Resolution : 1μs		
	accuracy	0.1%+5μs		
	Up/down Rate			
Battery test function	Voltage range	0~120V		
	Discharge capacity	240Ah		
	Resolution	1mA		
	Test time	1s~16h		
Measuring range				
Voltage readback	range	0~19.999V		0~500.00V
		0~150.00V		
	Resolution	1mV 10mV		10mV
	accuracy	±(0.05%+0.1%FS)		

Current readback	range	0~3.000A 0~40.00A	0~3.000A 0~20.00A	0~3.000A 0~15.00A			
	Resolution	1mA 10mA					
	accuracy	±(0.05%+0.1%FS)					
Power readback	range	400W					
	Resolution	10mW					
	accuracy	±(0.1%+0.1%FS)					
Scope of protection							
Over voltage protection		> 150V Cut off		> 500V Cut off			
Over current protection		> 40ACut off	> 20A Cut off	> 15A Cut off			
Overpower protection		400W					
Over temperature protection		85°C					
short circuit protection	current (CC)	≒3A ≒40A	≒3A ≒20A	≒3A ≒15A			
	voltage (CV)	0V					
	resistance (CR)	≒40mΩ					