

## ET5406A+/ET5407A+single-channel programmable DC electronic load

ET5406A+/ET5407A+ are DC programmable electronic loads, providing high resolution and accuracy of 1mV/10mV, 1mA/10mA and superior performance. Equipped with 9 commonly used modes and complete testing functions, it can be widely used in production line testing in chargers, switching power supplies, linear power supplies, batteries and other industries.

main features:

- Humanized design:
- Adopts LCD segment display with adjustable backlight;
- The operation process is simple and convenient, and with the intuitive interface display, it is easy to get started;
- It has a key lock function during remote connection to prevent misoperation;
- High performance load:
- Provide basic measurement modes of CC, CV, CR and CP;
- Provide professional battery testing;
- Dynamic test mode can test the dynamic output performance of the power supply;
- Scan test mode can test power output continuity within a certain range;
- List mode can simulate a variety of load state changes;
- Short circuit test, used to simulate load short circuit;
- Support external trigger input;
- Built-in buzzer alarm;
- Data storage function maintained during power outage;
- Can be operated remotely through USB (standard), RS-232 (optional) or 485 (optional) interface;
- Multiple security protections:
  - With overvoltage, overcurrent, overpower and overtemperature protection functions, overvoltage and overcurrent parameters can be flexibly set to effectively protect the load;
  - Equipped with intelligent fan speed control function to effectively reduce fan noise during operation;
- With input polarity reversal prompt;
  - ◆ General technical specifications:
    - ◆ · Power supply voltage: 100Vac $\pm$ 10%~240Vac $\pm$ 10%, 50/60Hz
    - ◆ · Display: LCD segment code screen, backlight adjustable
    - ◆ · Operating temperature: 0℃ to 40℃
    - ◆ · Storage temperature: -10℃ to 70℃
    - ◆ · Relative humidity: <80%
    - ◆ · Interface: Standard USB, optional RS232 or RS485 (choose one of the two)
    - ◆ · Dimensions: 75mm $\times$ 155mm $\times$ 240mm (width $\times$ height $\times$ depth)
    - ◆
  - ◆ Standard accessories:
    - ◆ · Three-core power cord 1 piece
    - ◆ · Power fuse 2 pieces

**User manual** 1 piece

## 技术规格

MODEL		ET5406A+	ET5407A+
Rated input	Power	200W	200W
	Input voltage	0-120V	0-180V
	Input current	0-20A	0-30A
CV mode	Range	0.1~19.999V,0.1~120.00V	
	Resolution	1mV,10mV	
	Accuracy	±（0.05%+0.02%FS）	
CC mode	Range	0~3.000A,0~20.00A	0~3.000A,0~30.00A
	Resolution	1mA,10mA	
	Accuracy	±（0.05%+0.05%FS）	±（0.05%+0.05%FS）
CR mode	Range	0.05 Ω ~4.50k Ω	
	Resolution	10m Ω , 1 Ω	
	Accuracy	±（0.1%+0.5%FS）	
CP mode	Range	0~200W	0~200W
	Resolution	10mW	
	Accuracy	±（0.1%+0.5%FS）	
Tran Test	Mode	CC, CV	
	T1&T2	0.05s~99.999s	
Battery Test	Discharge mode	CC, CR	
	Maximum discharge capacity	9999Ah	
	Resolution	1mA, 10mA, 10m Ω , 1 Ω	
Range of measurement			
Voltage read-back value	Range	0~19.999V,0 ~120.00V	0~19.999V,0~180.00V
	Resolution	1mV,10mV	
	Accuracy	±（0.05%+0.1%FS）	
Current read-back value	Range	0~3.000A,0~20.00A	0~3.000A,0~30.00A
	Resolution	1mA,10mA	
	Accuracy	±（0.05%+0.1%FS）	±（0.05%+0.1%FS）
Power read-back value	Range	200W	
	Resolution	10mW	
	Accuracy	±（0.1%+0.5%FS）	
Scope of protection			
Over Voltage Protection(OV)		Over Voltage Protection(OV) Greater than 21V or 125V overvoltage protection	Over Voltage Protection(OV) Greater than 21V or 185V overvoltage protection
Over Current Protection(OC)		Greater than 3.1A or 21A overcurrent protection	Greater than 3.1A or 31A overcurrent protection
Over Power Protection(OP)		210W	

Over Temperature Protection	85°C
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