

ET53 Series Programmable Electronic Load (Economical)	ET5300A	
	ET5300	
	ET5301	
	ET5302	
	ET5303	
	ET5304	

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.

- 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;
- 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;
- 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;

Model		ET5300A	ET5300	ET5301
Rated input	Power	200W	400W	
	Input voltage	0-150V		
	Input current	0-30A	0-40A	0-60A
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		0~6.000A
		0~30.00A	0~40.00A	0~60.00A
	Resolution	1mA, 10mA		
Accuracy	±(0.05%+0.05%FS)			
CR mode	Range	0.05 Ω ~1 k Ω , 1 k Ω ~4.5k Ω		
	Resolution	10m Ω , 100m Ω		
	Accuracy	±(0.1%+0.5%FS)		
CP mode	Range	0~200W	0~400W	
	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, 10m Ω , 100m Ω		
Range of measurement				





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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		0~6.000A
		0~30.00A	0~40.00A	0~60.00A
	Resolution	1mA,10mA		
Accuracy	±(0.05%+0.1%FS)			
Power read-back value	Range	200W	400W	
	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	> 3.1A or 41A input cut off	> 6.1A or 61A input cut off	
Overpower protection	210W	410W		
Over-temperature protection	85℃			
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	0.05 Ω~1 k Ω, 1 k Ω~4.5k Ω		
	Resolution	10m Ω, 100m Ω		
	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, 10m Ω, 100m Ω		



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℃	
Model		ET5302	ET5303
Rated input	Power	400W	
	Input voltage	0-500V	
	Input current	0-15A	0-30A
CV mode	Range	0.1~19.999V,0.1~500.00V	
	Resolution	1mV,10mV	
	Accuracy	±(0.05%+0.02%FS)	
CC mode	Range	0~3.000A,0~15.00A	0~3.000A,0~30.00A
	Resolution	1mA,10mA	
	Accuracy	±(0.05%+0.05%FS)	
CR mode	Range	0.05Ω~1kΩ, 1kΩ~4.5kΩ	
	Resolution	10mΩ, 100mΩ	
	Accuracy	±(0.1%+0.5%FS)	
CP mode	Range	0~400W	
	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,0~500.00V	
	Resolution	1mV,10mV	





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Current read-back value	Accuracy	$\pm(0.05\%+0.1\%FS)$	
	Range	0~3.000A,0~15.00A	0~3.00A,0~30.00A
	Resolution	1mA,10mA	
	Accuracy	$\pm(0.05\%+0.1\%FS)$	
Power read-back value	Range	400W	
	Resolution	10mW	
	Accuracy	$\pm(0.1\%+0.5\%FS)$	
Scope of protection			
Overvoltage protection		> 21V or 510V overvoltage protection	
Overcurrent protection		> 3.1A or 16A input cut off	> 3.1A or 31A input cut off
Overpower protection		410W	
Over-temperature protection		85°C	

