

# Power Electric Tester

## C. TH6201/6202/6203/6212/6213 DC Power Supply

### Features

- Fresh and simple system settings with Chinese and English operation interfaces
- High resolution: 24-bit color 4.3-inch TFTLCD, resolution: 480 x 272
- Linear design and double range output
- High precision and high stability, low ripple and low noise
- 1/2 2U super mini size and output and sampling terminal on the front and rear panel
- Powerful programming ability  
100 groups of setting state memory saving and calling  
10 trigger files, 100 test sequences per file, loop output of programming
- Timing output: time (0.1-99999.9s)
- Use rotary knob and numeric keyboard to set the voltage, current and output time
- Panel function button with backlight display
- Remote measurement function, compensation for line voltage drop
- Output control switch
- Copy screen function
- Over voltage, over current protection
- Intelligent temperature control fan
- Support standard SCPI communication protocol
- Software monitoring via computer  
Upgrade instrument firmware via USB flash



NEW

### TH6202

Rack mount (mm): 215(W) x 88(H) x 396(D)  
Dimension (mm): 236(W) x 111(H) x 426(D)  
Net weight: 8.1 kg

Standard RS232  USB HOST  USB DEVICE

option GPIB

### Application

- R & D and design verification common test
- Production line table routine testing and maintenance
- Automated device integration testing

- Solar photovoltaic simulation test
- New power car simulation test
- Teaching laboratory

### Specifications

Model	TH6201		TH6202		TH6203		TH6212		TH6213		
	Channel/Range	Range1	Range2	Range1	Range2	Range1	Range2	Range1	Range2	Range1	Range2
Rated output (0°C-40°C)	Voltage	0-20V	0-8V	0-32V	0-15V	0-72V	0-32V	0-32V	0-15V	0-72V	0-32V
	Current	0-5A	0-10A	0-3A	0-6A	0-1.5A	0-3A	0-6A	0-12A	0-3A	0-6A
	Power	100W	80W	96W	90W	108W	96W	192W	180W	216W	192W
Load regulation ± (% Output + Bias)	Voltage	≤0.01% + 4mV		≤0.01% + 3mV		≤0.01% + 3mV		≤0.01% + 6mV		≤0.01% + 5mV	
	Current	≤0.01% + 2mA						≤0.01% + 5mA		≤0.01% + 4mA	
Power regulation ± (% Output + Bias)	Voltage	≤0.01% + 4mV		≤0.01% + 3mV		≤0.01% + 3mV		≤0.01% + 6mV		≤0.01% + 5mV	
	Current	≤0.01% + 2mA						≤0.01% + 5mA		≤0.01% + 4mA	
Programming resolution	Voltage	1mV									
	Current	0.1mA									
Read-back value resolution	Voltage	1mV									
	Current	0.1mA									
Year accuracy (25°C ± 5°C) ± (% Reading + Bias)	Programming	Voltage		≤0.04% + 8mV							
		Current		≤0.1% + 5mA							
	Read-back	Voltage		≤0.04% + 8mV							
		Current		≤0.1% + 5mA							
Ripple and Noise (20Hz-20MHz)	Normal mode voltage	≤3mVp-p/1mVrms		≤4mVp-p/1mVrms		≤3mVp-p/1mVrms		≤4mVp-p/1mVrms			
	Normal mode current	<9mArms		<7mArms		<6mArms		<10mArms		<8mArms	
	Common mode current	<1.5μArms									
Transient response	<50uS (the time required for the output returns within 75mV when the output current changes from full scale to half or from half to full scale)							<50uS (the time required for the output returns within 120mV when the output current changes from full scale to half or from half to full scale)		<50uS (the time required for the output returns within 75mV when the output current changes from full scale to half or from half to full scale)	
Rise time (10% — 90%)	<90ms							<120ms		<180ms	
Fall time (90% — 10%)	<150ms		<200ms		<250ms		<350ms		<250ms		
Series and parallel set value accuracy	Voltage	-----									
	Current	-----									
Timer	0.1 ~ 99999.9 seconds										
Memory	10 groups of trigger output, 100 steps for each group, 100 sets of setting memory										