



Triple Programmable DC Power Supply

TH6402/6402A/6412/6413 Series

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 triple channel 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
- Programmable output of voltage and current
- Timing output: time (0.1-99999.9s)
- Three-channel independent adjustment
- Simultaneously display of voltage, current, power and timing output time for three-channel
- Support series, parallel or synchronous output between channels
- Use rotary knob and numeric keyboard to set the voltage, current and output time
- Remote measurement function, compensation for line voltage drop
- Output control switch
- Fully isolated circuit and support positive and negative reverse connection
- Copy screen function
- Over voltage protection
- Intelligent temperature control fan
- Support standard SCPI communication protocol
- Upgrade instrument firmware via USB flash
- Software monitoring via computer

Application

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



NEW

TH6402

Rack mount (mm): 215(W) x 88(H) x 457(D)
Dimension (mm): 235(W) x 105(H) x 487(D)
Net weight: 13kg

Standard RS232 ☒ USB HOST ☒ USB DEVICE ☒ (TH6402A only USB HOST)

option GPIB ☐

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

Specifications

Model		TH6402A			TH6402			TH6412			TH6413			
Rated output (0℃-40℃)	Channel/Range	Range1	Range2	Range3	Range1	Range2	Range3	Range1	Range2	Range3	Range1	Range2	Range3	
	Voltage	0-30V		0-5V	0-30V		0-6V	0-30V		0-6V	0-60V		0-6V	
	Current	0-3A		0-3A	0-3A		0-5A	0-6A		0-5A	0-3A		0-5A	
	Power	90W		15W	90W		30W	180W		30W	180W		30W	
Load regulation ± (% Output + Bias)	Voltage	≤0.01% + 3 mV			≤0.01% + 3 mV									
	Current	≤0.1% + 3 mA			≤0.01% + 3 mA									
Power regulation ± (% Output + Bias)	Voltage	≤0.01% + 3 mV			≤0.01% + 3 mV									
	Current	≤0.1% + 3 mA			≤0.01% + 3 mA									
Programming resolution	Voltage	10mV			1mV									
	Current	1mA			0.1mA									
Read-back value resolution	Voltage	10mV			1mV									
	Current	1mA			0.1mA									
Year accuracy (25℃± 5℃) ± (% Reading + Bias)	Programming	Voltage	≤0.05% + 20 mV			≤0.03% + 10 mV								
		Current	≤0.2%+5mA			≤0.1%+5mA		≤0.1%+8mA		≤0.1%+5mA		≤0.1%+8mA		
	Read-back	Voltage	≤0.05% + 20 mV			≤0.03% + 10 mV								
		Current	≤0.2%+5mA			≤0.1%+5mA		≤0.1%+8mA		≤0.1%+5mA		≤0.1%+8mA		
Ripple and Noise (20Hz-20MHz)	Normal mode voltage	≤1mVrms/ 3mVp-p					≤1mVrms / 4mVp-p							
	Normal mode current	≤3mA _{rms}					≤5mA _{rms}					≤4mA _{rms}		≤5mA _{rms}
	Common mode current	-----												
Series and parallel set value accuracy	Voltage	≤0.02% + 5 mV									≤0.02% + 10mV			
	Current	≤0.1% + 20mA						≤0.1% + 30mA						
Timer	0.1 ~ 99999.9 seconds													
Memory	40 groups of settings files / channels													

Marketed & Supported by-

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Subject to change - Version 2.0