



DC Power Supply

TH6300 Series



Features

- 480x272 pixels, 24-bit color, 4.3-inch color TFT LCD screen for setting test conditions and display of testing results, etc.
- Digital keyboard and knob operation, simple and fast
- High accuracy, high resolution, low ripple and low noise
- Support shutdown data saving and boot data loading
- Support voltage test function
- Support data saving and callback
- List setting and step output
- Intelligent fan control to save energy and reduce noise
- Software control and detection via computer
- Interface: RS232, USB, GPIB (optional)



RS232	USB HOST	USB DEVICE	GPIB
standard	standard	standard	option

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

TH6302/TH6303/TH6304/TH6313/TH6314

Rack mount (mm): 215(W) x 88(H) x 396(D)
Dimension (mm): 235(W) x 111(H) x 426(D)
Net weight: 12.55kg

TH6301/TH6312/TH6323/TH6324

Rack mount (mm): 215(W) x 88(H) x 457(D)
Dimension (mm): 235(W) x 111(H) x 487(D)
Net weight: 13.35kg

Specifications

Model		TH6301	TH6302	TH6303	TH6304	TH6312	TH6313	TH6314	TH6323	TH6324
Rated output	Voltage	20V	30V	60V	120V	30V	60V	120V	60V	120V
	Current	30A	20A	10A	5A	30A	15A	6A	25A	10A
	Power	200W	200W	200W	200W	360W	360W	360W	600W	600W
Load regulations≤	Voltage	0.01%+20mV	0.01%+20mV	≤0.01%+5mV	≤0.01%+5mV	0.01%+20mV	≤0.01%+8mV	≤0.01%+8mV	≤0.01%+15mV	0.01%+15mV
	Current	0.01%+20mA	0.01%+15mA	≤0.01%+4mA	≤0.01%+4mA	0.01%+20mA	≤0.01%+6mA	≤0.01%+6mA	≤0.01%+10mA	0.01%+10mA
Power regulations≤	Voltage	0.01%+20mV	0.01%+20mV	≤0.01%+5mV	≤0.01%+5mV	0.01%+20mV	≤0.01%+8mV	≤0.01%+8mV	≤0.01%+15mV	0.01%+15mV
	Current	0.01%+20mA	0.01%+15mA	≤0.01%+4mA	≤0.01%+4mA	0.01%+20mA	≤0.01%+6mA	≤0.01%+6mA	≤0.01%+10mA	0.01%+10mA
Set value resolution	Voltage	1mV(< 100V), 10mV(> 100V)								
	Current	0.1mA(< 10A), 1mA(> 10A)								
Read-back resolution	Voltage	1mV(< 100V), 10mV(> 100V)								
	Current	0.1mA(< 10A), 1mA(> 10A)								
Year set accuracy (25°C±5°C)≤	Voltage	0.05%+10mV	0.05%+10mV	0.05%+10mV	0.05%+15mV	0.05%+10mV	0.05%+10mV	0.03%+15mV	0.05%+10mV	0.05%+15mV
	Current	0.1%+30mA	0.1%+20mA	0.1%+10mA	0.1%+20mA	0.1%+30mA	0.1%+15mA	0.1%+20mA	0.1%+25mA	0.1%+25mA
Year read-back accuracy (25°C±5°C)≤	Voltage	0.05%+10mV	0.05%+10mV	0.05%+10mV	0.05%+15mV	0.05%+10mV	0.05%+10mV	0.03%+15mV	0.05%+10mV	0.05%+15mV
	Current	0.1%+30mA	0.1%+20mA	0.1%+10mA	0.1%+20mA	0.1%+30mA	0.1%+15mA	0.1%+20mA	0.1%+25mA	0.1%+25mA
Ripple and Noise (20Hz~20MHz)≤	Differential mode voltage	15mVpp	15mVpp	15mVp-p	20mVp-p	15mVpp	15mVp-p	20mVpp	20mVp-p	25mVp-p
	Differential mode current	10mArms	10mArms	8mArms	10mArms	12mArms	10mArms	12mArms	13mArms	15mArms
Rise times≤	10%-90%	100ms	100ms	150ms	150ms	100ms	150ms	150ms	150ms	150ms
Fall times≤	90%-10%	2s	2s	2s	3.5s	2s	2s	3.5s	2s	3.5s
DVM	Accuracy	0.05%+10mV	0.05%+10mV	0.03%+5mV	0.04%+30mV	0.05%+10mV	0.03%+5mV	0.05%+15mV	0.03%+5mV	0.03%+20mV
	resolution	1mV								
	Voltage range	20V	30V	60V	120V	30V	60V	120V	60V	120V
Memory	10 sets of trigger output, 100 steps per group, 100 groups of set memory									
Output	Support front and rear panel output, the maximum output current of front terminal is 10A									

Marketed & Supported by-

Nvis Technologies Pvt. Ltd.

141-A, Electronic Complex, Pardesipura, Indore-452010, India.

© +91-731-4211500, ✉ info@nvisotech.com, 🌐 www.NvisTech.com

Subject to change - Version 2.0