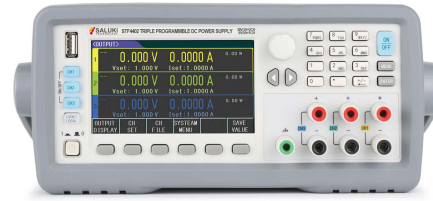# STF4400 Series Triple-channel Programmable DC Power Supply

Features

- Fresh and simple system settings with 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

STF4402
Rack mount (mm): 215(W) x 88(H) x 457(D)
Dimension (mm): 235(W) x 105(H) x487(D)
Net weight: 13kg

| Standard | RS232 | √□ | USB HOST ☑ | USB DEVICE☑ | (ST6402A only USB HOST) |

| Option | PIB | □ |

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			STF4402A			STF4402			STF4412			STF4413		
	Channel/Range		Range1	Range2	Range3	Range1	Range2	Range3	Range1	Range2	Range3	Range1	Range2	Range3
Rated output (0℃-40℃)	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		≤3mArms				≤5mArms		≤4mArms		≤5mArms
	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											