



ITECH ELECTRONICS
Your Power Test Solution

IT6300 Power Supply 45



IT6322

Feature

- Linear power with 3 channels
- Highlight vacuum screen VFD display
- Ultra-low ripple and noise
- The smallest volume: 1/2 2U among the similar products, save limited space
- 1mV/1mA high accuracy and resolution
- Support GPIB/USB/RS232 communication interfaces
- Full 3 channels isolated power supply
- Support standard SCPI communication protocol
- Free PC6800 PC monitoring software
- 19 inch rack mount
- Output value can be up to 60V in series connection, and 9A in parallel connection
- Can set and display 3 channels voltage and current at one time, without switching

IT6322 Triple output DC power supply

IT6322 series programmable 3 channel power supply, with 1mV, 1mA high solution and accuracy, ensure your accurate measurement. Applying high resolution VFD display screen, they can set and display the voltage and current of 3 channels at one time without switching and greatly simplify the complex operation of traditional 3 channels power .

3 groups isolated voltmeters and ammeters

31.001V 31.013V ▶ 5.004V
0.000A 0.000A 0.000A

Series connection operation

▶ 32.992V 0.000V Series
0.000A <OFF> CH1+3

Parallel connection operation

9.994V ▶ 5.000V Parallel
0.000A 0.000A CH2+3

Model	Specification
IT6322	30V/3A/90W*2CH
	5V/3A/15W*1CH



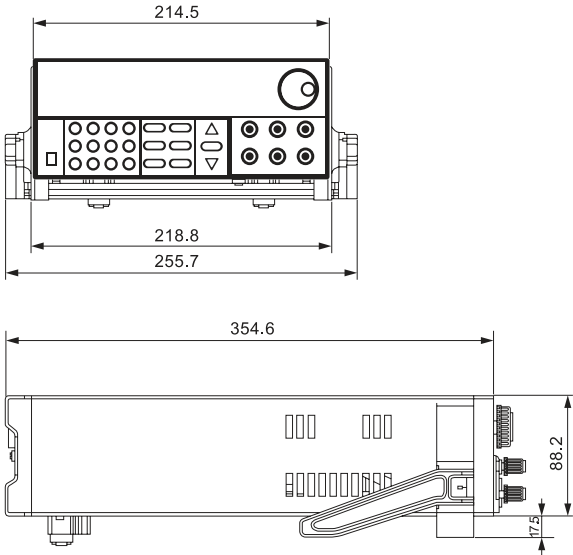
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IT6300 Power Supply



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		CH1	CH2	CH3
Output Rating	Voltage	30V	30V	5V
	Current	3A	3A	3A
	Power	90W	90W	15W
Load Regulation	Voltage	≤0.01% + 3mV		
	Current	≤0.01% + 3mA		
Line Regulation	Voltage	≤0.01% + 3mV		
	Current	≤0.1% + 3mA		
Setup Resolution	Voltage	1mV		
	Current	1mA		
Read Back Resolution	Voltage	1mV		
	Current	1mA		
Setup Accuracy	Voltage	≤0.03% + 10mV		
	Current	≤0.1% + 5mA		
Read Back Accuracy	Voltage	≤0.03% + 10mV		
	Current	≤0.1% + 5mA		
Ripple (20-20M Hz)	Vpp	3mVp-p		
	Irms	5mA _{rms}		
Temp. Coefficient	Voltage	≤0.03% + 10mV		
	Current	≤0.1% + 5mA		
Working Temp.		0-40 °C		
Dimension	W*H*D	214.5mm * 88.2mm * 354.6mm		
Weight	Net	9Kg		



Standard accessories

- Power cord
- User manual
- Calibration report

Optional accessories

- IT-E131 RS232 Communication cable
- IT-E132 USB Communication cable
- IT-E135 GPIB Communication cable
- IT-E151 Rack mount kit


IT6302

■ Feature

- Independent ,fully programmable and electrically isolated outputs
- Display & adjust voltage and current settings for all 3 channels
- Flexible output configuration: connect CH1 or CH2 channels in parallel
- Excellent stability and regulation
- LVP(low voltage)and OTP(over temperature) protection Very compact foot print (rack mountable 2U*1/2U)
- Output on //off control
- 27 memory locations for instrument state storage& recall
- Closed case calibration

■ IT6302 Specifications

IT6302		
Output Ratings (0°C~40°C)	Voltage	0~30V×2 0~5V×1
	Current	0~3A×2 0~3A×1
Load Regulation ±(%of output+offset)	Voltage	≤0.01%+3mV
	Current	≤0.2%+3mA
Line Regulation±(%of output+offset)	Voltage	≤0.01%+3mV
	Current	≤0.2%+3mA
Programmable Resolution	Voltage	10mV
	Current	1mA
Readback Resolution	Voltage	10mV
	Current	1mA
Programmming Accuracy (25°C±5°C)	Voltage	≤0.06%+20mV
(%of output+offset)	Current	≤0.2%+10mA
Readback Accuracy (25°C±5°C)	Voltage	≤0.06%+20mV
(%of output+offset)	Current	≤0.2%+10mA
Ripple and Noise	DMV	≤5mVp-p/1mVrms
	DMA	≤6mArms
Temperature (0°C~40°C) (%of output+offset)	Voltage	300ppm/°C
	Current	300ppm/°C
Temperature coefficient of read back value	Voltage	300ppm/°C
±(%of output+offset)	Current	300ppm/°C
Tracking Accuracy Sries Operation	Voltage	≤0.5%+30mV
	Current	≤0.2%+15mA
Tracking Accuracy Parallel Operation	Voltage	≤0.2%+30mV
	Current	≤0.2%+25mA
Memory	Storage/recall	27 series