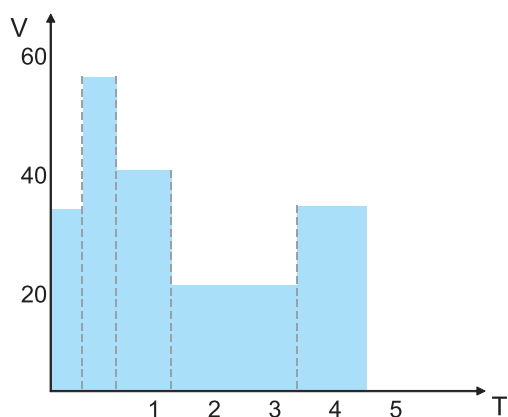




IT6121

■ Feature

- Linear programmable power
- Highlight screen VFD display
- Low ripple and low noise
- Built-in 5¹/₂ digital voltmeter
- Support SCPI communication protocol
- Optional GPIB/USB/RS232 interfaces
- High accuracy and high resolution
- List mode operation for increased throughput. Download and execute command sequences from non-volatile memory.
- Free PV6100 PC monitoring software
- Standard 19-inch rack mount
- Fast transient response time (<150μs)



List programming voltage waveform

IT6100 power supply is appropriate to high accuracy output and measurement

IT6100 series programmable power supply (300W - 1200W), 0.1mV, 0.01mA high resolution and high accuracy, ensure your accurate measurements. Up to 20ms rise speed, built-in 5 1/2 bits digital voltmeter can measure additional signals critically. There's List mode in which can edit and carry out the preset voltage waveform independently.

IT6100 series power is designed to accomplish the test requirements beyond traditional power's ability. With high accuracy and high speed they can improve the output value of production line. Unlike ordinary high-speed power, IT6100 also have low ripple and low noise. Compared to ordinary power, IT6100 supply you with a number of advanced and useful functions: high-speed List mode output, isolated 5 1/2 bits digital voltmeter, ohmmeter and so on.

Built-in accurate voltmeter/ohmmeter 0.1mV/10uA, you can measure voltage and current output easily and accurately without complex setting.

Using SCPI communication protocol, engineers can program and control through GPIB, USB, or RS232 interface. With small 1/2 2U volume IT6120 are the most convenient DC power supply in laboratories and production test.



IT6121 rear panel



Specifications

		IT6121	IT6122	IT6123
Output Rating	Voltage	20V	32V	72V
	Current	5A	3A	1.2A
	Power	100W	96W	86W
Load Regulation	Voltage	<0.01%+2mV	<0.01%+2mV	<0.01%+2mV
	Current	<0.05%+1mA	<0.05%+1mA	<0.05%+0.3mA
Line Regulation	Voltage	<0.01%+1mV	<0.01%+1mV	<0.01%+2mV
	Current	<0.05%+0.1mA	<0.05%+0.1mA	<0.05%+0.05mA
Setup Resolution	Voltage	0.5mV	0.5mV	0.5mV
	Current	0.1mA	0.1mA	0.02mA
Read Back Resolution	Voltage	0.1mV	0.1mV	0.5mV
	Current	<0.05mA	0.01mA	0.01mA
Setup Accuracy	Voltage	<0.03%+3mV	<0.03%+3mV	<0.03%+6mV
	Current	<0.05%+2mA	<0.05%+2mA	<0.05%+1mA
Read Back Accuracy	Voltage	<0.02%+3mV	<0.02%+3mV	<0.02%+5mV
	Current	<0.05%+2mA	<0.05%+2mA	<0.05%+1mA
Ripple (20-20M Hz)	Vpp	3mVp-p	4mVp-p	5mVp-p
	Irms	3mA _{rms}	3mA _{rms}	3mA _{rms}
Temp. Coefficient	Voltage	<0.02%+3mV	<0.02%+3mV	<0.02%+5mV
	Current	<0.05%+2mA	<0.05%+2mA	<0.05%+0.5mA
		0-40□	0-40□	0-40□
Dimension	W*H*D	214.5mm * 88.2mm * 354.6mm		
Weight	Net	8Kg		



IT6151~6154

High power pure-linear power supply

IT6150 and IT6160 series supply ultra-low noise and ultra-high speed, which ordinary linear power can not reach. They have same accuracy and resolution with IT6120 series.

		IT6151	IT6152	IT6153	IT6154
Output Rating	Voltage	5.2V	20V	30V	60V
	Current	60A	27A	18A	9A
	Power	312W	540W	540W	540W
Load Regulation	Voltage	<0.05%+30mV	<0.05%+20mV	<0.05%+15mV	<0.05%+10mV
	Current	<0.1% + 10mA	<0.1% + 5mA	<0.1% + 2mA	<0.1% + 2mA
Line Regulation	Voltage	<0.02% + 1mV	<0.02% + 1mV	<0.02%+2mV	<0.02%+2mV
	Current	<0.1% + 1mA	<0.01% + 1mA	<0.01% + 0.1mA	<0.01% + 0.1mA
Setup Resolution	Voltage	0.1mV	0.5mV	0.5mV	0.5mV
	Current	1mA	1mA	1mA	1mA
Read Back Resolution	Voltage	0.1mV	0.1mV	0.5mV	0.5mV
	Current	1mA	0.1mA	0.1mA	0.1mA
Setup Accuracy	Voltage	<0.02% + 2mV	<0.02% + 6mV	<0.02% + 12mV	<0.02% + 12mV
	Current	<0.1% + 30mA	<0.1% + 15mA	<0.05% + 10mA	<0.05% + 10mA
Read Back Accuracy	Voltage	<0.02% + 1.5mV	<0.02% + 3mV	<0.02% + 6mV	<0.02% + 6mV
	Current	<0.05% + 15mA	<0.05% + 10mA	<0.05% + 5mA	<0.05% + 5mA
Ripple (20-20M Hz)	Vpp	4mVp-p	4mVp-p	5mVp-p	5mVp-p
	Irms	15mArms	5mArms	3mArms	3mArms
Temp. Coefficient	Voltage	<0.02% + 2mV	<0.02% + 5mV	<0.02% + 10mV	<0.02% + 10mV
	Current	<0.1% + 30mA	<0.1% + 15mA	<0.05% + 5mA	<0.05% + 5mA
		0-40 □			
Dimension	W*H*D	429mm * 88.2mm * 458.9mm			
Weight	Net	29Kg			



When working in high-power mode, it maintained high-speed and high-accuracy characteristics like low-power power supply.

		IT6162	IT6163	IT6164
Output Rating	Voltage	20V	30V	60V
	Current	48A	32A	16A
	Power	960W	960W	960W
Load Regulation	Voltage	<0.05% + 25mV	<0.05% + 20mV	<0.05% + 15mV
	Current	≤0.05% + 20mA		≤0.05% + 10mA
Line Regulation	Voltage	<0.02% + 1mV		<0.02% + 2mV
	Current	<0.01% + 1mA		<0.01% + 0.5mA
Setup Resolution	Voltage	0.5mV		1mV
	Current	1mA		0.5mA
Read Back Resolution	Voltage	0.1mV		0.5mV
	Current	0.1mA		0.1mA
Setup Accuracy	Voltage	<0.02% + 10mV		<0.02% + 30mV
	Current	<0.05% + 10mA		<0.05% + 5mA
Read Back Accuracy	Voltage	<0.02% + 15mV		<0.02% + 20mV
	Current	<0.05% + 10mA		<0.05% + 5mA
Ripple (20-20M Hz)	Vpp	5mVp-p		6mVp-p
	Irms	10mArms		5mArms
Temp. Coefficient	Voltage	<0.02% + 20mV		<0.02% + 30mV
	Current	<0.05% + 20mA		<0.05% + 10mA
		0-40 □		
Dimension	W*H*D	444mm * 180mm * 539mm		
Weight	Net	45Kg		