



IT6151

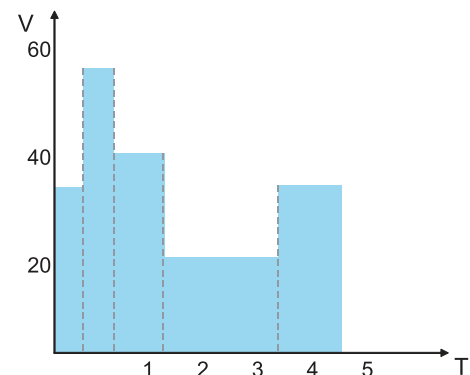
## ■ Features

- Linear programmable power supply
- Highlight screen VFD display
- Low ripple and low noise
- Built-in 5<sup>1</sup>/<sub>2</sub> 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.
- Standard 19-inch rack mount
- Fast transient response time (<150μs)

## IT6100 High Accuracy Programmable DC Power Supply

IT6100 series programmable power supply ( 300W - 1200W ) , 0.1mV, 1mA high resolution and high accuracy, ensure your accurate measurements. Built-in 5<sup>1</sup>/<sub>2</sub> bits digital voltmeter can measure additional signals critically. There's List mode in which can edit and carry out the pre-set voltage waveform independently.

Model	Voltage	Current	Power
IT6151	5.2V	60A	312W
IT6152	20V	27A	540W
IT6153	30V	18A	540W
IT6154	60V	9A	540W



List programming voltage waveform

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