


IT6722
IT6722 Programmable DC Power Supply

IT6722 Programmable DC Power Supply designed with ITECH latest technology, voltage setup resolution $\leq 0.01\% + 10\text{mV}$, current ripple $\leq 15\text{mArms}$, make the testing to be accurate. Highlight VFD display, multiple functions and switching control output design offer users convenience and comfortable testing experience.

■ Features

- Output on/off control
- High accuracy and resolution
- Numeric panel
- List mode
- OVP/OCP/OTP protection
- Standard RS232/USB/GPIB interfaces
- Remote sense

Model	Voltage	Current	Power
IT6722	80 V	20 A	400 W
IT6722A	80 V	20 A	400 W

*IT6722A don't including GPIB interface

Specification

		IT6722	IT6722A
Output Rating	Voltage	0~80 V	0~80 V
	Current	0~20 A	0~20 A
	Power	400 W	400 W
Load Regulation	Voltage	$\leq 0.03\% + 5\text{mV}$	$\leq 0.03\% + 5\text{mV}$
	Current	$\leq 0.1\% + 5\text{mA}$	$\leq 0.1\% + 5\text{mA}$
Line Regulation	Voltage	$\leq 0.01\% + 5\text{mV}$	$\leq 0.01\% + 5\text{mV}$
	Current	$\leq 0.1\% + 5\text{mA}$	$\leq 0.1\% + 5\text{mA}$
Setup Resolution	Voltage	10 mV	10 mV
	Current	10 mA	10 mA
Read Back Resolution	Voltage	10 mV	10 mV
	Current	10 mA	10 mA
Setup Accuracy	Voltage	$\leq 0.01\% + 10\text{mV}$	$\leq 0.01\% + 10\text{mV}$
	Current	$\leq 0.1\% + 10\text{mA}$	$\leq 0.1\% + 10\text{mA}$
Read back Accuracy	Voltage	$\leq 0.01\% + 20\text{mV}$	$\leq 0.01\% + 20\text{mV}$
	Current	$\leq 0.1\% + 20\text{mA}$	$\leq 0.1\% + 20\text{mA}$
Ripple	Voltage	$\leq 50\text{mVp-p}$	$\leq 50\text{mVp-p}$
	Current	$\leq 15\text{mArms}$	$\leq 15\text{mArms}$
\pm (PPM/°C+Offset)	Voltage	$0.02\% + 10\text{mV}$	$0.02\% + 10\text{mV}$
	Current	$0.03\% + 10\text{mA}$	$0.03\% + 10\text{mA}$
Dimension	W*H*D	214.5mm×88.2mm×354.6mm	214.5mm×88.2mm×354.6mm
Weight	Net	2.5 Kg	2.5 Kg
	Interface	RS232/USB/GPIB	RS232/USB

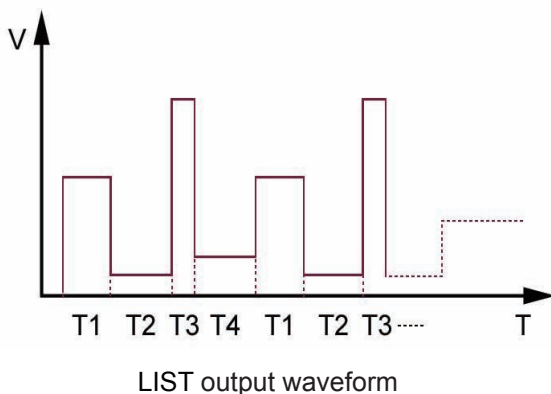


■ Features

- VFD display
- Convenient data entry via knob or numerical key pad
- High accuracy and high resolution
- Low ripple and low noise
- Intelligent fan control, energy conservation, noise reduction
- Standard communication
- Built-in RS232/USB/GPIB interface
- Output voltage and current values accordance with procedure (LIST mode)
- Standard SCPI protocol
- Timer function (0.1s-99999.9s)

List Mode

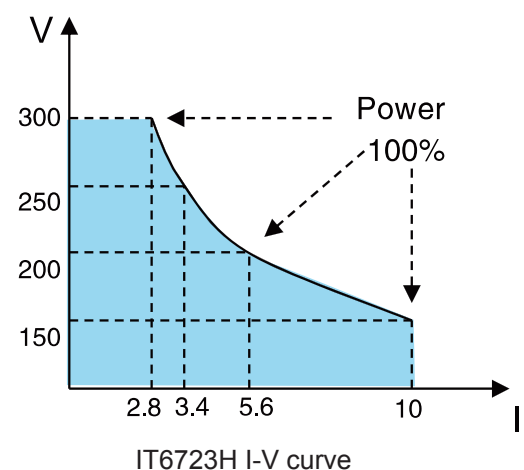
List mode allows user to create a sequence of steps, store it into the power supply's non volatile memory and execute it. The input parameters for generating a list include the name of the list file, the input steps (no more than 150 steps), the step time (the minimum is 100mS) and the value of each step.



IT6700H High Voltage Programmable DC Power Supply

IT6700H series are high-voltage and flexible range single output power supplies. With an easy-to-read VFD display, high accuracy and resolution up to 10mV/10mA. It allows to generate and store programmed sequences directly from the front panel. Standard RS232, USB, GPIB interfaces to provide flexibility for remote operation. IT6700H is a compact, laboratory grade power supply well suited for application in design field, production or university labs.

Model	Voltage	Current	Power
IT6723	80V	40A	850W
IT6723B	150V	20A	850W
IT6723C	32V	110A	850W
IT6723G	600V	5A	850W
IT6723H	300V	10A	850W
IT6724	80V	40A	1500W
IT6724B	150V	20A	1500W
IT6724C	32V	110A	1500W
IT6724G	600V	5A	1500W
IT6724H	300V	10A	1500W
IT6726B	160V	40A	3000W
IT6726G	600V	10A	3000W
IT6726H	300V	20A	3000W
IT6726V	1200V	5A	3000W





Specifications

		IT6723	IT6723B	IT6723C	IT6723G	IT6723H	IT6724	IT6724B
Output Rating	Voltage	0-80 V	0-150V	0 -32V	0 -600V	0-300V	0-80V	0-150V
	Current	0-40 A	0-20A	0~110A	0~5A	0-10A	0-40A	0-20A
	Power	0-850 W	0-850W	0-850W	0-850W	0-850W	1500W	0-1500W
Load Regulation	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01\%+100\text{mV}$	$\leq 0.01\%+10\text{mV}$	$\leq 0.01\%+100\text{mV}$	$\leq 0.01\%+60\text{mV}$	$\leq 0.01\%+10\text{mV}$	$\leq 0.01\%+100\text{mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+10\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$
Line Regulation	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01\%+100\text{mV}$	$\leq 0.01\%+10\text{mV}$	$\leq 0.01\%+100\text{mV}$	$\leq 0.01\%+60\text{mV}$	$\leq 0.01\%+10\text{mV}$	$\leq 0.01\%+100\text{mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+10\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$	$\leq 0.1\%+20\text{mA}$
Setup Resolution	Voltage	10 mV	100mV	10mV	100mV	100mV	10 mV	100mV
	Current	10 mA	10mA	10mA	10mA	10mA	10mA	10mA
Readback Resolution	Voltage	10 mV	100mV	10mV	100mV	100mV	10 mV	100mV
	Current	10 mA	10mA	10mA	10mA	10mA	10mA	10mA
Programming Accuracy	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1\% + 20 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Read back Accuracy	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1\% + 20 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Ripple	Voltage	$\leq 80 \text{ mVp-p}$	$\leq 120 \text{ mVp-p}$	$\leq 80 \text{ mVp-p}$	$\leq 150 \text{ mVp-p}$	$\leq 150 \text{ mVp-p}$	$\leq 70 \text{ mVp-p}$	$\leq 120 \text{ mVp-p}$
	Current	$\leq 50 \text{ mA rms}$	$\leq 30 \text{ mArms}$	$\leq 150 \text{ mArms}$	$\leq 20 \text{ mArms}$	$\leq 30 \text{ mArms}$	$\leq 50 \text{ mArms}$	$\leq 30 \text{ mArms}$
Temp.coefficient	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1\% + 20 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Dimension	W*H*D	214.5 mm × 88.2 mm × 445 mm						
Weight	Net	6 Kg						

Accessories

Standard Accessories

Power Cord

User Manual

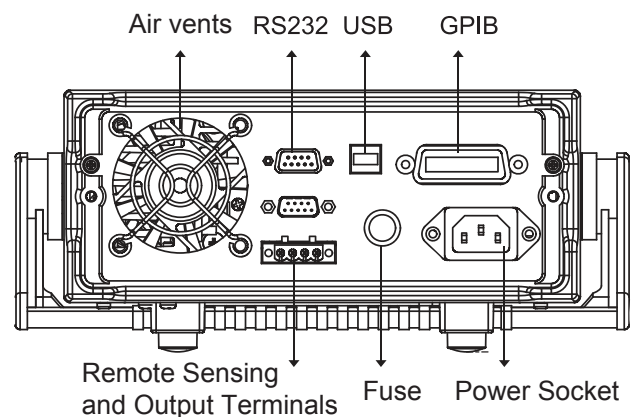
Calibration Report

USB Straight Cable

Optional Accessories

IT-E151 Rack Mount Kit

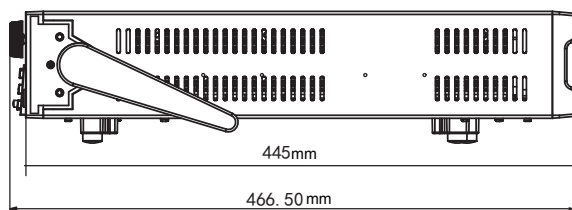
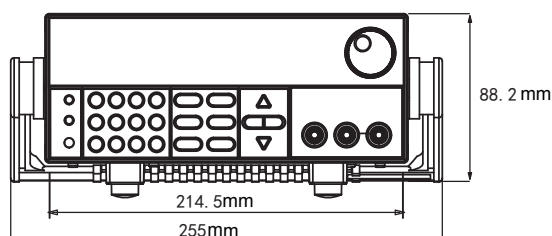
IT6700 Rear Panel



Specifications

		IT6724C	IT6724G	IT6724H	IT6726B	IT6726G	IT6726V	IT6726H
Output Rating	Voltage	0-32 V	0-600 V	0-300 V	0-160 V	0-600 V	0-1200 V	0-300 V
	Current	0-110 A	0-5 A	0-10 A	0-40 A	0-10 A	0-5 A	0-20 A
	Power	1500 W	1500 W	0-1500 W	0-3000 W	0-3000 W	0-3000 W	0-3000 W
Load Regulation	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Line Regulation	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Setup Resolution	Voltage	10 mV	100 mV	100 mV	100 mV	100 mV	100 mV	100 mV
	Current	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA
Readback Resolution	Voltage	10 mV	100 mV	100 mV	100 mV	100 mV	100 mV	100 mV
	Current	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA
Programming Accuracy	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Read back Accuracy	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 150 \text{ mV}$	$\leq 0.01 \% + 150 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 10 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Ripple	Voltage	$\leq 70 \text{ mVp-p}$	$\leq 150 \text{ mVp-p}$	$\leq 150 \text{ mVp-p}$	$\leq 200 \text{ mVp-p}$	$\leq 250 \text{ mVp-p}$	$\leq 600 \text{ mVp-p}$	$\leq 300 \text{ mVp-p}$
	Current	$\leq 150 \text{ mArms}$	$\leq 30 \text{ mArms}$	$\leq 30 \text{ mArms}$	$\leq 50 \text{ mArms}$	$\leq 30 \text{ mArms}$	$\leq 30 \text{ mArms}$	$\leq 30 \text{ mArms}$
Temp.coefficient	Voltage	$\leq 0.01 \% + 10 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 100 \text{ mV}$	$\leq 0.01 \% + 60 \text{ mV}$
	Current	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$	$\leq 0.1 \% + 20 \text{ mA}$
Dimension	W*H*D	214.5 mm × 88.2 mm × 445 mm			439 mm X 88.2 mm X 462 mm			
Weight	Net	6 Kg			16 Kg			

IT6723/IT6724/IT6723B/IT6724B/IT6723C/IT6724C/
IT6723H/IT6724H/IT6723G/IT6724G dimension:



Unit: mm

IT6726B/IT6726V/IT6726H/IT6726G dimension:

