

Power Supplies

IT6860A Series

Catalog

ITECH-Your Power Test Solution



ITECH-Your Power Test Solution

ITECH ELECTRONICS



About ITECH

ITECH is devoted to research and development in power supply technologies in test and measurement. The company specialized over the years and it is skilled in producing high power electronic testing systems, high-performance automated testing systems, power supplies and electronic loads. Our products are widely used by enterprises in all fields. Our products are well known for high performance and quality which are exported to over twenty countries in Europe, North America and Asia.

Quality Policy

ITECH will keep on researching and developing new products to satisfy the diversified application requirements, and supplying perfect quality for your needs through continuous improvements.

Marketing and service

ITECH has branches in mainland China , Taiwan,Korea and USA. We will supply the best products together with the best after-sale service for you.

Vision

The mission of ITECH is to serve the customer requirements. ITECH will be continuously devoted to researching and manufacturing power supplies and power supply testing products, and supply to you high quality products and the best after sale service support through its excellent technology and marketing network .ITECH will be one of your preferred suppliers .

Our customer

ITECH products are widely preferred by customers for the reputation , performance and quality. Our customers including famous companies and institutions in worldwide, such as ABB, Bosch, Intel, LG, Nokia, Siemens, Sony, Fuji, Volkswagen, Ford, Delta, Samsung and Foxcoon and so on .



power supply

Provide you with the most reliable and accurate power supply

ITECH providing you with the most reliable and accurate power supply, meet your research and development testing , production testing requirements.

IT6860A Dual-range power supply

IT6860A power supply is a dual-range output power supply with high resolution of 1mV, 0.1mA, which can test the products with different power range . You can adjust the voltage /current stepping by pressing the left and right keys to moving the cursor. It supports output timer function and programs by the front panel, which will bring great convenience. Its built-in RS232 and USB communication interfaces make the communication much faster

IT6800 Standard programable power supply

IT6800 series programming power(18V—150V/90W—216W), small size ,high power output, 10mV, 10mA resolution and accuracy , VFD highlight display, optional GPIB/USB/RS232 communication interfaces,of fer free PV6800 PC control software.

IT6500 Auto-rang programmable Power Supply

IT6500 series programmable power supply with 1mV,1mA high resolution and accuracy. IT6500 series products can function in CV or CC mode,integrated voltage sequence according to DIN 40839. It's the best solution for your laboratory tests,production tests and other applications with a small size of 1U.

IT6900A Multi-function programmable power supply

IT6900A series power supply apply auto-range digital technology, enables customers to adjust to the maximum output voltage or current at a fixed power. IT6900A series of power also has the built-in RS232/USB/GPIB communication interface.

IT6100 High accuracy programmable power supply

IT6100 series programmable power supply (100W—1200W),0.1mV, 1mA high resolution and high accuracy , ensure your accurate measurements. Up to 20ms rise speed, built-in 5 1/2digit digital voltmeter, can measure additional signals accurately. List mode can edit and carry out the preset voltage waveform independently.

IT6300 Triple output programmable

IT6322 programmable 3 channel power supply is provided with 1mV , 1mA high resolution and high accuracy. High-definition VFD display can display and set the voltage of 3 channels at one time without switching. It greatly simplifies the complex operation of the traditional 3 channel power supply

IT6700 Digital control power supply

The IT6700-series of digital control dc power supplies give you the performance of programmable power supplies without the high price. With the auto-range technology, It offers you the flexible output voltage and current. With high power in a compact unit, the IT6700-series give you excellent performance while saving your space and cost at the same time.

IT6700H High voltage programmable power supply

IT6700H series power supplies are high performance single-output programmable power supply with communication interface .This series can output the max voltage or current with a fixed power for customers.

IT7300 Programmable AC power supply

IT7300 series is single phase programmable AC power supply. This series power supply outputs kinds of normal and abnormal AC input to measure essential parameters of products. Its built-in LAN, USB, RS232 communication interface makes your test efficient.

IT6860A High accuracy dual-range power supply

IT6860 series are high performance single output dual range programmable DC power supplies. It built-in USB and RS232 interfaces, supporting fast and stable programming procedures. With high resolution of 1mV/0.1mA. They are designed to meet the needs of R&D design verification, production testing, QA verifications and other applications.



IT6860A

■ Feature

- Dual range output
- Bright 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
- Output voltage and current values accordance with procedure
- Timer function (0.1~9999.9S)
- Built-in RS232/USB communication interface
- Support SCPI command, compatible IT6800 format protocol

Model	Voltage	Current
IT6861A	20V/8V	5A/9A
IT6862A	32V/12V	3A/6A
IT6863A	72V/32V	1.5A/3A
IT6872A	32V/15V	4A/7A
IT6873A	75V/32V	2A/4A
IT6874A	150V/60V	1.2A/2A

*IT6860B series power supplies have built-in GPIB, RS232 and USB interfaces

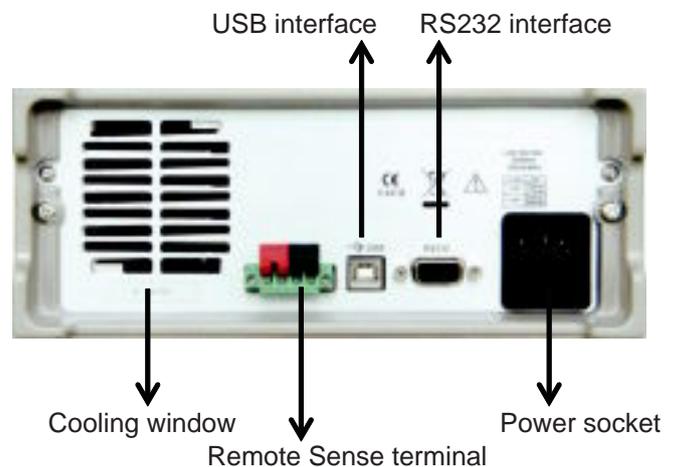
Dual-range output

Take IT6862A as an example:

- High voltage range: 0-32V, 3A
- Low voltage range: 0-12V, 6A

IT6800A series power supplies give you the flexibility to select from dual output ranges. Normally, if user purchase a 32V/3A/96W power supply, the current working range is limited to 3A. But for IT6862A, user could get a high current working limitation by switch the working range. This feature greatly saves customer's cost.

Rear panel of IT6860A



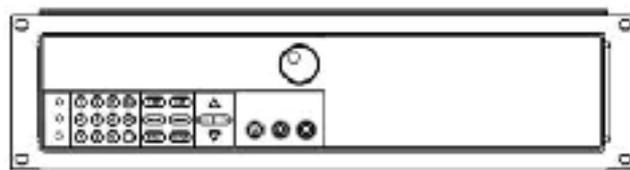
*Compared to IT6860A series power supplies, IT6860B series has add GPIB interface besides built-in RS232 and USB interface.

Specifications

		IT6861A	IT6862A	IT6863A	IT6872A	IT6873A	IT6874A
Output Ratings		0-20V,5A/0-8V,9A	0-32V,3A/0-12V,6A	0-72V,1.5A/0-32V,3A	0-35V,4A/0-15V,7A	0-75V,2A/0-32V,4A	0-150V,1.2A/0-60V,2A
Load Regulation	Voltage	≤0.01%+4mV	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+5mV	≤0.01%+4mV	≤0.01%+4mV
	Current	≤0.01%+2mA	≤0.01%+2mA	≤0.01%+2mA	≤0.01%+3mA	≤0.01%+2mA	≤0.01%+2mA
Line Regulation	Voltage	≤0.01%+4mV	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+5mV	≤0.01%+4mV	≤0.01%+4mV
	Current	≤0.01%+2mA	≤0.01%+2mA	≤0.01%+2mA	≤0.01%+3mA	≤0.01%+2mA	≤0.01%+2mA
Setup Resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV(<100V) 10mV(≥100V)
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Read Back Resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV(<100V) 10mV(≥100V)
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Setup Accuracy	Voltage	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.05%+20mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Read Back Accuracy	Voltage	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.04%+8mV	≤0.05%+20mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
	DMV	≤2mVp-p/0.5mVrms(20V/5A)	≤3mVp-p/0.5mVrms(32V/3A)	≤3mVp-p/1mVrms	≤3mVp-p/1mVrms	≤3mVp-p/1mVrms	≤5mVp-p/1.5mVrms
Ripple (20HZ-20M)		≤3mVp-p/1mVrms(8V/9A)	≤4mVp-p/1mVrms(12V/6A)	≤3mVp-p/1mVrms	≤3mVp-p/1mVrms	≤3mVp-p/1mVrms	≤5mVp-p/1.5mVrms
	DMA	<9 mArms	<7mArms	<6mArms	<6mArms	<6mArms	<6mArms
	CMA	<1.5uArms	<1.5uArms	<1.5uArms	<1.5uArms	<1.5uArms	<1.5uArms
Up Time	10%-90%	<90ms	<90ms	<90ms	<90ms	<120ms	<150ms
Down Time	90%-10%	<150ms	<200ms	<250ms	<350ms	<450ms	<2s
Dynamic recovery time	Recovery 75mV	<50us	<50us	<50us	<50us	<50us	<100us
Dimension (W*H*D)	Size	214.5mm*88.2mm*354.6mm					

Output Timer Function

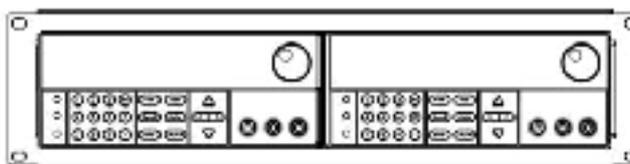
IT6860 series power supplies support output timer function. When you enable the function, the "Timer" indicator will lit on the VFD. When the output is "on", the output will turn off automatically after the time elapsed



19" installation (One unit)

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.



19" installation (Two units)



Standard accessories:

Power cord

Test report

User's manual

Optional accessories:

IT-E151 mounting kit

*Note: IT6860A series power supplies have built-in RS232 and USB interfaces.



ITECH ELECTRONICS
Your Power Test Solution

ITECH -- Your Power Test Solution



Taiwan

TEL:+886-3-6684333

FAX:+886-3-6683152

E-mail:sales@itechate.com.tw

16F, #65 Gaotie 7th Rd., Zhubei City, Hsinchu County 302 Taiwan

China

TEL:+86-25-52415098

FAX:+86-25-52415268

E-mail:sales@itechate.com

108# XiShanqiao Nanlu,Nanjing city,China

USA

Savi Ranch Parkway Yorba Linda,CA 92887 U.S.A.

E-mail:usa@itechate.com

Korea

#153-783,Rm601,ByuckSan,GaSan-Dong,Seoul,Korea

E-mail:korea@itechate.com



Setup Electrónica, S.L.

BARCELONA

Via Augusta 125, Ático 2º

08006 - BARCELONA

Tel. 934140372 Fax. 934140991

www.setup-electronica.es / setup@setup-electronica.es

CENTRO

Camino de Santiago, 20

19290 - FONTANAR

Tel. 949 329337