

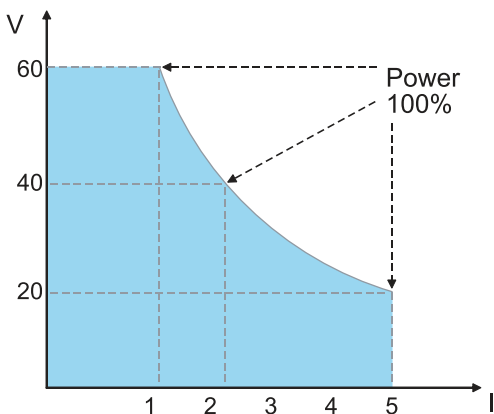


IT6720—The most economic power supply with high-performance

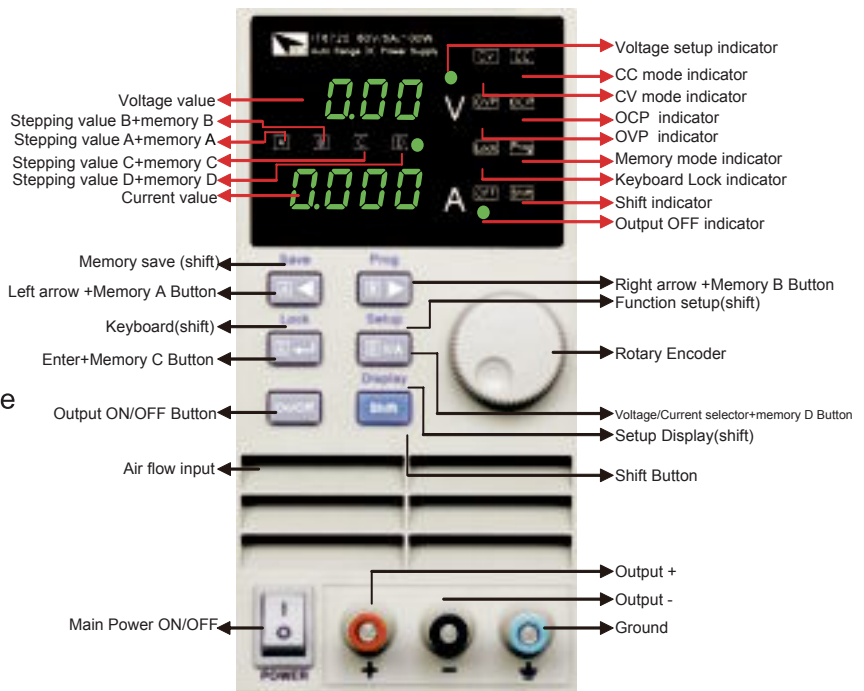
IT6720 have the widest voltage and current utilization.
ITECH introduces the digital-control DC power supply with the highest power ratio in the field, which have the widest voltage and current utilization and greatly widen the range of application. With the capacity of 100W, voltage output of 60V, current output of 5A , they can control the change rates of the voltage and current automatically. The power ratio can be up to 3 times . One IT6720 can substitute previous 60V*1.6A/32V*3A/ 20V*5A 3 kinds of models to save your cost .

Feature

- Completely digital-control
- 10mV/1mA high accuracy and resolution
- Low ripple and noise
- CC/CV modes
- Minimum size to save space
- Highlight LED display
- High stability OCP/OVP/OTP protection
- Most economic digital-control high-performance power supply
- Full scale 60V/5A , resolution 10mV/1mA , no need to switch
- On/off controlling



IT6720 I-V curve graph



Panel Layout

Flexible voltage and current configuration make you complete 100% power output as long as voltage above 20V.



Specs

		IT6720	IT6721
Output Rating	Voltage	0-60V	0-60V
	Current	0-5A	0-8A
	Power	100W	180W
Load Regulation	Voltage	<0.01%+3mV	<0.01%+5mV
	Current	<0.01%+3mA	<0.01%+5mA
Line Regulation	Voltage	<0.01%+3mV	<0.01%+5mV
	Current	<0.1%+3mA	<0.1%+5mA
Programming Accuracy	Voltage	<0.05%+10mV	<0.05%+10mV
	Current	<0.2%+2mA	<0.3%+5mA
Read back Accuracy	Voltage	<0.05%+10mV	<0.05%+10mV
	Current	<0.1%+2mA	<0.3%+5mA
Ripple	Voltage	2mVrms	2.5mVrms
	Current	3mArms	3.5mArms
Dimension	W*H*D	88*175*282	88*175*282
Weight	Net	2.5Kg	3.5Kg



IT6720 60V/5A/100W
IT6721 60V/8A/180W



Rear panel of IT6720/6721



IT-E152 19" rack mount diagram

ITECH Products Selection Guide

* DC Electronic Load

IT8700 series multi-channel electronic load	
Model	Specification
IT8731	80V/40A/200W
IT8732	80V/60A/400W
IT8732B	500V/20A/300W
IT8733	80V/120A/600W
IT8733B	500V/30A/500W
IT8722	80V/20A/250W*CH1 80V/20A/250W*CH2 *1
IT8723	80V/45A/300W CH1 80V/45A/300W CH2 *1
IT8702	Mainframe for four modules
IT8703	Extended frame for four modules

*1: The total power of dual channel for IT8722 is 300W.

*2: IT8731,IT8732,IT8732B,IT8733,IT8733B and IT8722 should be equipped with IT8702.

*3: Main frame equips built-in RS232/USB/GPIB/Ether Net interface.

IT8800 series multi-function input electronic load (standard RS232/USB/GPIB interface)	
Model	Specification
IT8811	120V/30A/150W
IT8812	120V/30A/250W
IT8812B	500V/15A/200W
IT8812C	120V/60A/250W
IT8813	120V/60A/750W
IT8813B	500V/30A/750W
IT8814	120V/120A/1500W
IT8814B	500V/60A/1200W
IT8816	120V/240A/3000W
IT8816B	500V/100A/2500W
IT8817	120V/360A/4500W
IT8817B	500V/120A/3600W
IT8818	120V/480A/6000W
IT8818B	500V/150A/5000W
IT8830	120V/500A/10KW
IT8830B	500V/200A/10KW
IT8830H	800V/100A/10KW
IT8831	120V/750A/15KW
IT8831B	500V/300A/15KW
IT8831H	800V/150A/15KW
IT8832	120V/1000A/20KW
IT8832B	500V/400A/20KW
IT8832H	800V/200A/20KW
IT8833	120V/1500A/25KW
IT8833B	500V/500A/25KW
IT8833H	800V/250A/25KW
IT8834B	500V/600A/30KW
IT8834H	800V/300A/30KW
IT8835B	500V/700A/35KW
IT8835H	800V/350A/35KW
IT8836B	500V/800A/40KW
IT8836H	800V/400A/40KW
IT8837B	500V/900A/45KW
IT8837H	800V/450A/45KW
IT8838B	500V/1000A/50KW
IT8838H	800V/500A/50KW
IT8839B	500V/1100A/55KW
IT8839H	800V/600A/55KW

*60KW-600KW is available

IT8500 series single channel electronic load (optional RS232/USB/GPIB interface)	
Model	Specification
IT8511	120V/30A/150W
IT8512	120V/30A/300W
IT8512B	500V/15A/300W
IT8512C	120V/60A/300W
IT8513B	500V/30A/600W
IT8513C	120V/120A/600W
IT8514B	500V/60A/1200W
IT8514C	120V/240A/1200W
IT8514F	60V/240A/1200W
IT8515C	120V/240A/1800W
IT8516B	500V/120A/2400W
IT8516C	120V/240A/2400W

Model	Specification
IT8516E	120V/240A/3000W
IT8518B	500V/120A/5000W
IT8518C	60V/240A/5000W
IT8518E	60V/240A/6000W
IT8518F	60V/480A/5000W
IT8500+ series upgrade single channel electronic load (optional RS232/USB/GPIB interface)	
Model	Specification
IT8511+	120V/30A/150W
IT8512+	120V/30A/300W
IT8512A+	150V/30A/300W
IT8512B+	500V/15A/300W
IT8512C+	120V/60A/300W
IT8513C+	120V/120A/600W
IT8514B+	500V/60A/1500W
IT8514C+	120V/240A/1500W
IT8516C+	120V/240A/3000W

IT8200 series economic electronic load	
Model	Specification
IT8211	60V/30A/150W

* DC Power Supply

IT6500 series auto-range programmable DC power supply (standard RS232/USB/GPIB/RS485 interface)	
Model	Specification
IT6512 (with Dynamic test and DIN waveform)	80V/60A/1200W
IT6512A	80V/60A/1200W
IT6512D	80V/120A/1600W
IT6513 (with Dynamic test and DIN waveform)	150V/30A/1200W
IT6513A	150V/30A/1200W
IT6522A	80V/120A/3000W
IT6523D	160V/120A/3000W
IT6533A	160V/120A/6000W
IT6532A	80V/240A/6000W

IT6900A series multi-function programmable power supply (standard RS232/USB/GPIB interface)	
Model	Specification
IT6922A	60V/5A/100W
IT6932A	60V/10A/200W
IT6942A	60V/15A/360W
IT6952A	60V/25A/600W
IT6953A	150V/10A/600W

IT6800 series programmable power supply (optional RS232/USB/GPIB interface)	
Model	Specification
IT6821	18V/5A/90W
IT6822	32V/3A/96W
IT6823	72V/1.5A/108W
IT6831	18V/10A/180W
IT6832	32V/6A/192W
IT6833	72V/3A/216W
IT6834	150V/1.2A/180W

IT6860A series dual-range programmable power supply (standard RS232/USB interface)	
Model	Specification
IT6861A	20V/5A/100W 8V/9A/72W
IT6862A	32V/3A/96W 12V/6A/72W
IT6863A	72V/1.5A/108W 32V/3A/96W
IT6872A	35V/4A/140W 15V/7A/105W
IT6873A	75V/2A/150W 32V/4A/128W
IT6874A	150V/1.2A/180W 60V/2A/120W

IT6860B series dual-range programmable power supply (standard RS232/USB/GPIB interface)	
Model	Specification
IT6861B	20V/5A/100W 8V/9A/72W
IT6862B	32V/3A/96W 12V/6A/72W
IT6863B	72V/1.5A/108W 32V/3A/96W
IT6872B	35V/4A/140W 15V/7A/105W
IT6873A	75V/2A/150W 32V/4A/128W
IT6874A	150V/1.2A/180W 60V/2A/120W

IT6100 series high accuracy programmable power supply (optional RS232/USB/GPIB interface)	
Model	Specification
IT6151	5.2V/60A/312W
IT6152	20V/27A/540W
IT6153	30V/18A/540W



Model	Specification
IT6154	60V/9A/540W
IT6162	20V/48A/960W
IT6163	30V/32A/960W
IT6164	60V/16A/960W
IT6100B series accuracy programmable power supply (standard RS232/USB/GPIB interface)	
Model	Specification
IT6121B	20V/5A/100W
IT6122B	32V/3A/96W
IT6123B	72V/1.2A/86W
IT6132B	30V/5A/150W
IT6133B	60V/2.5A/150W
IT6300 series triple-channel programmable power supply (optional RS232/USB/GPIB interface)	
Model	Specification
IT6322	30V/3A/90W*2CH 5V/3A/15W*1CH
IT6300A series triple-channel programmable power supply (standard RS232/USB interface)	
Model	Specification
IT6322A	30V/3A/90W*2CH 5V/3A/15W*1CH
IT6332A	30V/6A/180W*2CH 5V/3A/15W*1CH
IT6333A	60V/3A/180W*2CH 5V/3A/15W*1CH
IT6300B series triple-channel programmable power supply (standard RS232/USB/GPIB interface)	
Model	Specification
IT6322B	30V/3A/90W*2CH 5V/3A/15W*1CH
IT6332B	30V/6A/180W*2CH 5V/3A/15W*1CH
IT6333B	60V/3A/180W*2CH 5V/3A/15W*1CH
IT6302 triple-channel programmable power supply (application: education industry/laboratory/volume demand)	
Model	Specification
IT6302	30V/3A/90W*2CH 5V/3A/15W*1CH
IT6700 series digital control power supply	
Model	Specification
IT6720	60V/5A/100W
IT6721	60V/8A/180W
IT6700H series high voltage programmable DC power supply (standard RS232/USB/GPIB interface)	
Model	Specification
IT6723G	600V/5A/850W
IT6723B	150V/20A/850W
IT6723C	32V/110A/850W
IT6723	80V/40A/850W
IT6723H	300V/10A/850W
IT6724B	150V/20A/1500W
IT6724C	32V/110A/1500W
IT6724H	300V/10A/1500W
IT6724G	600V/5A/1500W
IT6724	80V/40A/1500W
IT6726B	160V/40A/3000W
IT6726H	300V/20A/3000W
IT6726G	600V/10A/3000W
IT6726V	1200V/5A/3000W
*AC Power Supply	
IT7300 series AC power supply (standard RS232/USB/LAN interface)	
Model	Specification
IT7321	300V/3A/300VA
IT7322	300V/6A/750VA
IT7324	300V/12A/1500VA
IT7326	300V/24A/3000VA

