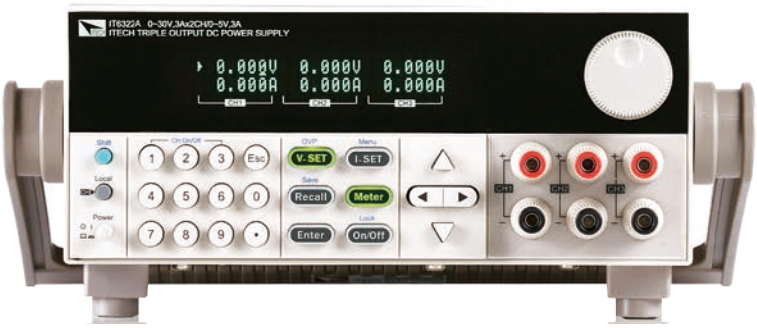
IT6300A Triple Channels DC Power Supply



IT6300A series is high-performance programmable triple channels DC power supply, each output voltage and current can be set from 0 to maximum rated output, supports series connection, parallel connection and track functions of channel, which offer multi-purpose solutions for customers test. IT6300A series is with high resolution 1mV / 1mA and remote sense function, which make the test more accurate. With built-in standard USB / RS232 communication interface, IT6300A series greatly enhance the communication speed, and customers also can adjust the digital step value by using the cursor to facilitate the operation.

Applications

School laboratory, production test, maintenance inspection, etc.

Feature

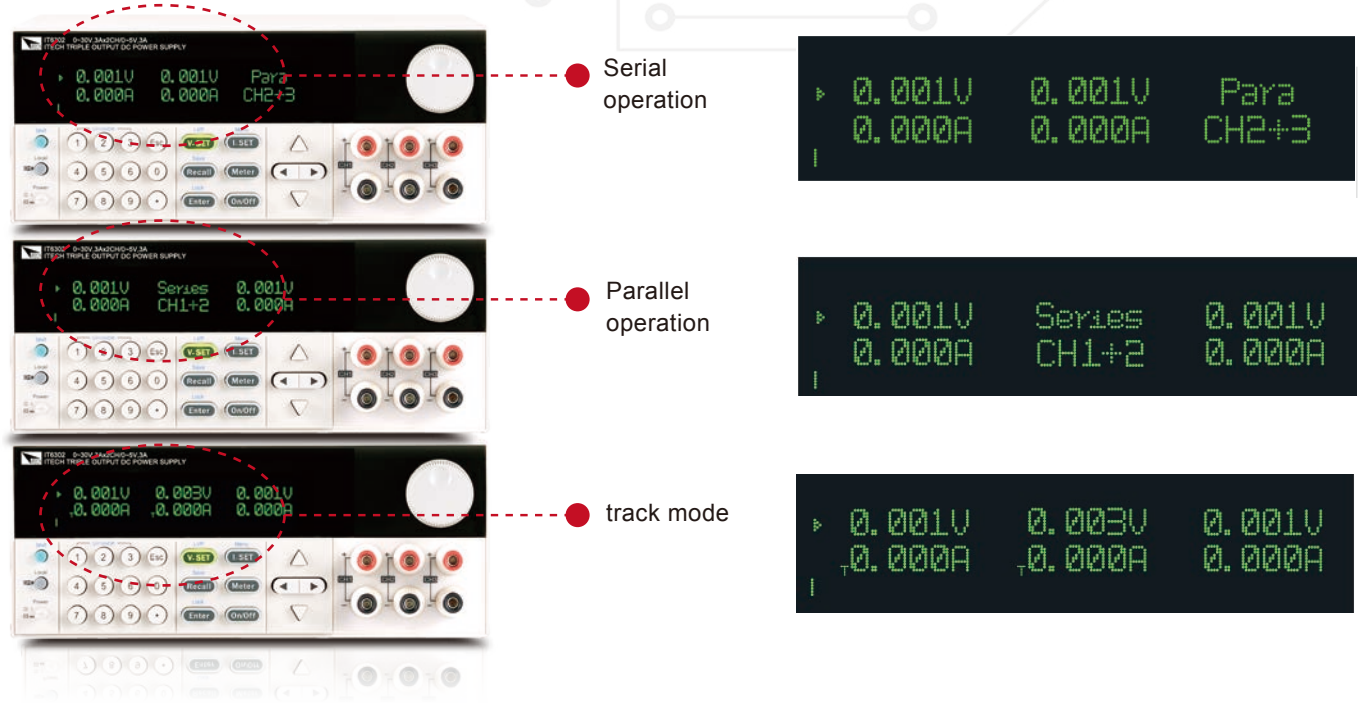
- Triple output voltage, all are adjustable
- Optional serial/ parallel/ track mode
- Displays voltage and current settings for all three channels simultaneously
- Small size of 1/2 2U
- VFD display
- Function keys with LED light
- Adjust the digital step value via cursor
- Output switch control
- High accuracy, high resolution and high stability
- Remote measurement function, compensation online pressure drop
- Comprehensive protection function
- Intelligent fan control, reduce noise
- Built-in RS232/USB communication interface

Track mode

CH1 and CH2, CH2 and CH3, or all three channels to be set as track mode, if any one channel parameter changed, the corresponding parameters of the other channels will also change in direct proportion.
For example, set up voltage and current of CH1 and CH2 to be CH1:4V, 1A; CH2:8V, 2A. Set CH1 and CH2 in track mode, in output off and Meter state, VFD is shown below:

*In the setting state, if voltage of CH1 set to be 2V, the voltages of CH2 will automatically synchronize to be 4V (proportionally).

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



IT6300A Specifications

		IT6322A			IT6332A			IT6333A		
		CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
Rated output*1	Voltage	0~30V	0~30V	0~5V	0~30V	0~30V	0~5V	0-60V	0~60V	0~5V
	Current	0~3A	0~3A	0~3A	0~6A	0~6A	0~3A	0~3A	0~3A	0~3A
	Power	90W	90W	15W	180W	180W	15W	180W	180W	15W
Load regulation*2	Voltage		≤0.01%+3mV		≤0.01%+3mV			≤0.01%+3mV		
	Current		≤0.1%+3mA		≤0.01%+3mA			≤0.01%+3mA		
Power regulation*2	Voltage		≤0.01%+3mV		≤0.01%+3mV			≤0.01%+3mV		
	Current		≤0.1%+3mA		≤0.01%+3mA			≤0.01%+3mA		
Setting resolution	Voltage		1mV		1mV			1mV		
	Current		1mA		1mA			1mA		
Readback resolution	Voltage		1mV		1mV			1mV		
	Current		1mA		1mA			1mA		
Setpoint accuracy*3	Voltage		≤0.03%+10mV		≤0.03%+10mV			≤0.03%+10mV		
	Current		≤0.1%+5mA		≤0.1%+8mA		≤0.1%+5mA	≤0.1%+5mA		
Readback value accuracy*3	Voltage		≤0.03%+10mV		≤0.03%+10mV			≤0.03%+10mV		
	Current		≤0.1%+5mA		≤0.1%+8mA		≤0.1%+5mA	≤0.1%+5mA		
Ripple and noise	Voltage		≤1mVrms/3mVp-p		≤1mVrms/4mVp-p		≤1mVrms/3mVp-p	≤1mVrms/4mVp-p		≤1mVrms/3mVp-p
	Current		≤3mArms		≤5mArms		≤4mArms	≤4mArms		
Serial operation	Serial error									
Parallel operation	Voltage		≤0.02%+5mV		≤0.02%+5mV			≤0.02%+10mV		
Setpoint accuracy	Current		≤0.1%+20mA		≤0.1%+30mA			≤0.1%+30mA		
Size			214.5mm*88.2mm*354.6mm		214.5mm*88.2mm*453.1mm			214.5mm*88.2mm*453.1mm		
weight			7.7Kg		15Kg			15Kg		

*1:(0°C - 40°C) *2:(%of output+offset) *3:(12-month validity)(25 °C ± 5 °C) (%of output+offset)

*This information is subject to change without notice