IT6300A Triple Output DC Power Supply

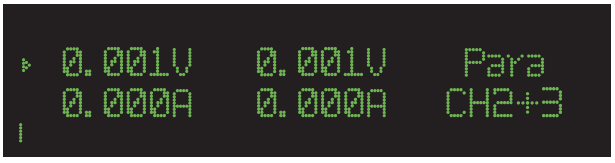
IT6300 A triple output power supply can adjust the stepping by left/right arrow button, very convenient for your operation.
IT6300A has remote measurement function, it can ensure your testing accurately.And built-in RS232, USB interface, and each channel can set to serial/ parallel/ track mode, it can bring multipurpose testing solution to you.

Features

- Triple output voltage, all are adjustable.
- Support/parallel/tracking mode
- The voltage and current for each channel can be displayed synchronously
- Small size of 1/2 2U
- VFD display
- Function keys with LED light
- Remote sensing function
- Output switch control
- High accuracy, high resolution and high stability
- OVP, OTP
- Intelligent fan control
- Built-in RS232/USB communication interface
- Low ripple and low noise
- Software for monitor
- Support standard SCPI communication protocol
- Memory capacity of 36 groups, for save and recall
- Adjust the stepping by left/right arrow button
- Output timer function(0.1~99999.9 seconds)
- Isolated circuit, support positive and negtive reverse

Triple isolated voltage and current

Serial mode



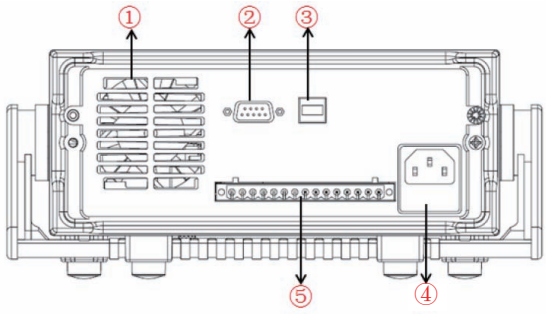
Parallel mode

Track mode, set the parameter of one channel, the parameter of other channels will be changed.

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 rear panel

① Air vents
② RS232 interface
③ USB interface
④ AC line input
⑤ Trigger and remote sensing terminal block



Specifications

Parameters		IT6322A	IT6332A	IT6333A
Output Rating	voltage	0~30 V × 2, 0~5 V × 1	0~30 V × 2, 0~5 V × 1	0~60 V × 2, 0~5 V × 1
	current	0~3 A × 2, 0~3 A × 1	0~6 A × 2, 0~3 A × 1	0~3 A × 2, 0~3 A × 1
	Voltage limiting protection	0~31 V × 2, 0~6 V × 1	0~31 V × 2, 0~6 V × 1	0~31 V × 2, 0~6 V × 1
Load Regulation	voltage	≤ 0.01 % + 3 mV	≤ 0.01 % + 5 mV (* 2)	≤ 0.01 % + 3 mV
	current	≤ 0.1 % + 3 mA	≤ 0.01 % + 3 mA (* 1)	≤ 0.1 % + 3 mA
Line Regulation	voltage	≤ 0.01 % + 3 mV	≤ 0.01 % + 5 mV (* 2) ≤ 0.01 % + 3 mV (* 1)	≤ 0.01 % + 3 mV
	current	≤ 0.1 % + 3 mA	≤ 0.1 % + 3 mA	≤ 0.1 % + 3 mA
Setup Resolution	voltage	1 mV	1 mV	1 mV
	current	1 mA	1 mA	1 mA
Readback Resolution	voltage	1 mV		1 mV
	current	1 mA		1 mA
Setup Accuracy	voltage	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mV	≤ 0.03 % + 15 mV
	current	≤ 0.1 % + 5 mA	≤ 0.1 % + 8 mA (* 2) ≤ 0.1 % + 5 mA (* 1)	≤ 0.1 % + 5 mA
Readback Accuracy	voltage	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mA	≤ 0.03 % + 10 mV
	current	≤ 0.1 % + 5 mA	≤ 0.1 % + 8 mA (* 2) ≤ 0.1 % + 5 mA (* 1)	≤ 0.1 % + 5 mA
Ripple and noise	voltage	≤ 1 mVrms / 3 mVp–p	4 mVp–p	5 mVp–p
	current	≤ 3 mArms	≤ 5 mArms	≤ 4 mArms
Temp.coefficient	voltage	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mV
	current	≤ 0.1 % + 5 mA	≤ 0.1 % + 5 mA	≤ 0.1 % + 5 mA
ReadbackTemp.coefficient	voltage	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mV	≤ 0.03 % + 10 mV
	current	≤ 0.1 % + 5 mA	≤ 0.1 % + 5 mA	≤ 0.1 % + 5 mA
Serial synchronous operation	The cascade synchronization error	≤ 0.05 % + 10 mA		
Series parallel setting accuracy	voltage	≤ 0.02 % + 5 mV		
	current	≤ 0.1 % + 20 mA		
Memory	Save / Recall	36 groups		
Timer	Time setting	0.1 S – 99999.9 S		
	Resolution	0.1 s		
	Function	Timer function for turning off the output		
Dimension	W*H*D	214.5 mm × 88.2 mm × 453.1 mm		

IT6322A adopts new button layout, Local and ◁▷ arrow buttons added, function keys with LED light, built-in standard RS232, USB communication interfaces, which makes the communication much faster.

IT6322A supports tracking mode settings. When single channel parameter changed, the other channel parameters will also change iproportionaling at the same time.

Tracking mode

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

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