IT6302 Triple Channels DC Power Supply



Feature

- Independent, fully programmable and electrically isolated outputs
- Display & adjust voltage and current settings for all 3 channels
- Flexible output configuration: connect CH1 or CH2 channels in parallel
- Excellent stability and regulation
- LVP (low voltage protection) and OTP (over temperature protection)
- Output on/off control
- 27 memory locations for instrument state storage & recall
- Closed case calibration

Optional Accessories

IT-E121	RS232 communication cable
IT-E122	USB communication cable

IT6302 Specifications

		IT6302		
		CH1	CH2	CH3
Rated output*1	Voltage	0~30V	0~30V	0~5V
	Current	0~3A	0~3A	0~3A
	Power	90W	90W	15W
Load regulation*2	Voltage	≤0.01%+4mV	≤0.01%+4mV	≤0.01%+4mV
	Current	≤0.2%+3mA	≤0.2%+3mA	≤0.2%+3mA
Power regulation*2	Voltage	≤0.01%+4mV	≤0.01%+4mV	≤0.01%+4mV
	Current	≤0.2%+3mA	≤0.2%+3mA	≤0.2%+3mA
Setting resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Readback resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Setpoint accuracy*3	Voltage	≤0.06%+20mV	≤0.06%+20mV	≤0.06%+20mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Readback value accuracy*3	Voltage	≤0.06%+20mV	≤0.06%+20mV	≤0.06%+20mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Ripple and noise	Voltage	≤5mVp-p/1mVrms	≤5mVp-p/1mVrms	≤5mVp-p/1mVrms
	Current	≤6mArms	≤6mArms	≤6mArms
Serial operation	Serial error	≤0.2%+15mA	≤0.2%+15mA	≤0.2%+15mA
Parallel operation	Voltage	≤0.2%+30mV	≤0.2%+30mV	≤0.2%+30mV
Setpoint accuracy	Current	≤0.2%+25mA	≤0.2%+25mA	≤0.2%+25mA
Size		214.5mm*88.2mm*354.6mm	214.5mm*88.2mm*354.6mm	214.5mm*88.2mm*354.6mm
weight		7.1Kg	7.1Kg	7.1Kg

*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