

YDC-304 Series

Four Channel DC Power Supply

At a Glance

The YDC-304 Series is a four-channel DC power supply with four independently adjustable channels that are isolated from each other. Voltage and current can be set through a numeric keypad and knob.



Features

- **Voltage and current**
can be set through a numeric keypad and knob
- **Resolution of 1mV voltage and 1mA current**
- **Four independent adjustable channels**
isolated from each other
- **Voltage compensation function**
ensures accuracy
- **List sequence output function**
- **Intelligent temperature controlled fan**
for a quieter usage environment
- **9 sets of preset storage functions**

Applications

Production line

work bench routine test

Lab and institute

Electronic repair

Automated equipment integration testing

Standard SENSE RS-232

Optional LAN RS-485 USB

Selected optional interface → replaces standard

YDC-304 Series

Model	YDC-30460-30-20	YDC-30490-30-30	YDC-30460-60-10	YDC-30490-60-15
Rated input voltage (50Hz)	AC 220V±10% 50Hz			
Rated output voltage	0~30V*4CH	0~30V*4CH	0~60V*4CH	0~60V*4CH
Rated output current	0~20A*4CH	0~30A*4CH	0~10A*4CH	0~15A*4CH
Rated output power	600W*4CH	900W*4CH	600W*4CH	900W*4CH
Ripple	10mVrms	10mVrms	10mVrms	10mVrms
Rated input voltage	AC 220V±10%			
Voltage transformation method	Switching Mode Power Supply			
Load regulation rate Voltage	≤0.1%+20mV		≤0.1%+10mV	≤0.1%+15mV
Load regulation rate Current	≤0.1%+5mA		≤0.1%+5mA	≤0.1%+5mA
Line regulation rate Voltage	≤0.1%+20mV		≤0.1%+10mV	≤0.1%+15mV
Line regulation rate Current	≤0.1%+5mA		≤0.1%+5mA	≤0.1%+5mA
Setting resolution Voltage	1mV			
Setting resolution Current	1mA			
Setting accuracy Voltage (25°C±5°C)	≤0.1%+10mV			
Setting accuracy Current (25°C±5°C)	≤0.3%+10mA			
Read back resolution Voltage	1mV			
Read back resolution Current	1mA			
Read back accuracy Voltage (25°C±5°C)	≤0.1%+10mV			
Read back accuracy Current (25°C±5°C)	≤0.3%+10mA			
Temperature coefficient Operating	0 to 40°C≤85R.H.			
Temperature coefficient Storage	-15 to 70°C≤85 R.H.			
Machine size (W*H*D) mm	482*190*372			
Net weight kg	18			

YDC-304 Series

Model	YDC-30488-80-11	YDC-30490-150-6	YDC-30490-15-60
Rated input voltage (50Hz)	AC 220V±10% 50Hz		
Rated output voltage	0~80V*4CH	0~150V*4CH	0~15V*4CH
Rated output current	0~11A*4CH	0~6A*4CH	0~60A*4CH
Rated output power	880W*4CH	900W*4CH	900W*4CH
Ripple	15mVrms	15mVrms	10mVrms
Rated input voltage	AC 220V±10%		
Voltage transformation method	Switching Mode Power Supply		
Load regulation rate Voltage	≤0.1%+10mV		≤0.1%+25mV
Load regulation rate Current	≤0.1%+5mA		≤0.1%+8mA
Line regulation rate Voltage	≤0.1%+10mV		≤0.1%+25mV
Line regulation rate Current	≤0.1%+5mA		≤0.1%+8mA
Setting resolution Voltage	1mV		
Setting resolution Current	1mA		
Setting accuracy Voltage (25°C±5°C)	≤0.1%+10mV		
Setting accuracy Current (25°C±5°C)	≤0.3%+10mA		
Read back resolution Voltage	1mV		
Read back resolution Current	1mA		
Read back accuracy Voltage (25°C±5°C)	≤0.1%+10mV		
Read back accuracy Current (25°C±5°C)	≤0.3%+10mA		
Temperature coefficient Operating	0 to 40°C≤85R.H.		
Temperature coefficient Storage	-15 to 70°C≤85 R.H.		
Machine size (W*H*D) mm	482*190*372		
Net weight kg	18		

XGY Pty Ltd

Sydney Engineering Centre

Email: info@xgytek.com | Web: www.xgytek.com

Specifications are subject to change without notice.