

YDC-302 Series

Two channel DC power supply

At a Glance

The YDC-302 Series is a two-channel DC power supply with two 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**
- **Two independent adjustable channels**
isolated from each other
- **Voltage compensation function**
ensures accuracy
- **List sequence output function**
- **Standard 2U model**
- **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-302 Series

Model	YDC-30260-30-20	YDC-30290-30-30	YDC-30260-60-10	YDC-30290-60-15
Rated output voltage	0~30V*2CH	0~30V*2CH	0~60V*2CH	0~60V*2CH
Rated output current	0~20A*2CH	0~30A*2CH	0~10A*2CH	0~15A*2CH
Rated output power	600W*2CH	900W*2CH	600W*2CH	900W*2CH
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	480*100*390			
Net weight kg	9.5kg			

YDC-302 Series

Model	YDC-30288-80-11	YDC-30290-150-6	YDC-30290-15-60
Rated output voltage	0~80V*2CH	0~150V*2CH	0~15V*2CH
Rated output current	0~11A*2CH	0~6A*2CH	0~60A*2CH
Rated output power	880W*2CH	900W*2CH	900W*2CH
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	480*100*390		
Net weight kg	9.5kg		

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Specifications are subject to change without notice.