

# Programmable DC Power Supply



## Main Feature:

- 1. Dual independent outputs with Separate controls and one fix output supplies up to 195W total power
- 2. Two controllable channels with switch for operation convenience
- 3. Highest output resolution: 1mV/1mA
- 4. Insulation between three output channels effectively reduce the interference
- 5. Outstanding line regulation rate: ≤0.01%+2mV(voltage), ≤0.01%+1mA (current)
- 6. low ripples noise: <300 u Vrms/2mVpp
- 7. Four operating mode : independent , parallel connection , series connection ,plus-minus
- 8. Over-voltage over-current protection: the parameters of over-voltage and over-current are configurable to enhance the load protection
- 9. Up to 100 groups timers and predefine or unlimited output loop to generate arbitrary waveforms
- 10. Up to 30 groups preset system configurations
- 11. Auto-cooling system
- 12. 3.9 inch high resolution(480\*320 pixels)TFT LCD display
- 13. Multiple Interface : USB 2.0 RS232

## Display

Model	ODP3032
Display Type	3.9 inch colored LCD (Liquid Crystal Display)
Display Resolution	480 (Horizontal) × 320 (Vertical) Pixels
Display Colors	65536 colors, TFT screen

## Mechanical Specifications

Dimension	450mm× 202mm× 298mm(D*H*W)
Weight	About 9.8 kg

The specifications below are based on the instrument having run for at least 30 minutes continuously under the specified operating temperature.

Channel		Channel 1/Channel 2		Fixed 5V
DC Output Ratings	Voltage	Independent/Parallel	0~30V	5V
		Series	0~60V	
		Plus-minus	−30V~30V	
	Current	Independent/Series/Plus-minus	0~3A	3A
		Parallel	0~6A	
Line Regulation	CV	≤0.01% + 3mV		≤3mV
	CC	≤0.1% + 3mA		
Load Regulation	CV	≤0.01% + 3mV		≤0.1%+3mV
	CC	≤0.2% + 3mA		
Noise and Ripple (20Hz~7MHz)	CV	≤300 μVrms / 2 mVpp		≤300 μVrms/ 2 mVpp
	CC	≤3mArms		
Settings Resolution	Voltage	1mV		None
	Current	1mA		None
Settings Accuracy (25℃±5℃)	Voltage	≤0.05% + 1mV		None
	Current	≤0.1% + 1mA		None
Read Back Resolution	Voltage	1mV (<10V) 10mV (≥10V)		None
	Current	1mA		None
Read Back Accuracy (25℃±5℃)	Voltage	≤0.05% + 1mV(<10V) ≤0.05% + 10mV(≥10V)		None
	Current	≤0.1% + 1mA		None

OWON continues to improve products and reserves the rights to change specifications without advance .For latest ones, please refer to our website.

## Application

- Design and Debug
- Circuit function test
- Identified signals logic information
- Education & Training
- Mixed signal circuit test

## Accessories

The receipt of accessories should be taken as final.



Power cord



CD-Rom



Manual