

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: $\leq 0.01\% + 2\text{mV}(\text{voltage})$, $\leq 0.01\% + 1\text{mA}(\text{current})$
- 6. low ripples noise: $< 300 \mu\text{Vrms}/2\text{mVpp}$
- 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

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	$\leq 0.01\% + 3\text{mV}$		$\leq 3\text{mV}$
	CC	$\leq 0.1\% + 3\text{mA}$		
Load Regulation	CV	$\leq 0.01\% + 3\text{mV}$		$\leq 0.1\% + 3\text{mV}$
	CC	$\leq 0.2\% + 3\text{mA}$		
Noise and Ripple (20Hz~7MHz)	CV	$\leq 300 \mu\text{Vrms} / 2 \text{mVpp}$		$\leq 300 \mu\text{Vrms} / 2 \text{mVpp}$
	CC	$\leq 3\text{mArms}$		
Settings Resolution	Voltage	1mV		None
	Current	1mA		None
Settings Accuracy (25℃±5℃)	Voltage	$\leq 0.05\% + 1\text{mV}$		None
	Current	$\leq 0.1\% + 1\text{mA}$		None
Read Back Resolution	Voltage	1mV (<10V) 10mV (≥10V)		None
	Current	1mA		None
Read Back Accuracy (25℃±5℃)	Voltage	$\leq 0.05\% + 1\text{mV}(<10\text{V}) \leq 0.05\% + 10\text{mV}(\geq 10\text{V})$		None
	Current	$\leq 0.1\% + 1\text{mA}$		None

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

Application

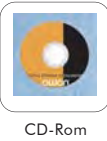
- Design and Debug
- Circuit function test
- Identified signals logic information
- Education & Training
- Mixed signal circuit test

Accessories

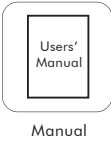
The receipt of accessories should be taken as final.



Power cord



CD-Rom



Manual