

# Single Linear DC Power Supply

## - P4000 Series



- + Small body for easy carry
- + 180W maximum output power
- + High resolution: 1mV / 1mA
- + Low ripple/noise
- + Over voltage/over current protection
- + Multi-directional cooling system with smart fan
- + 3.7 inch TFT LCD display
- + Support RS232 digital communication

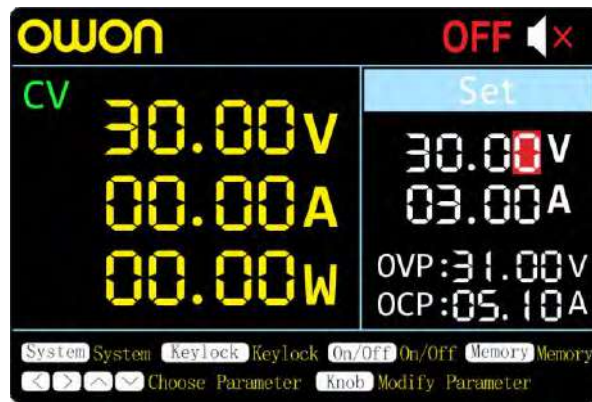
### Large LCD Display



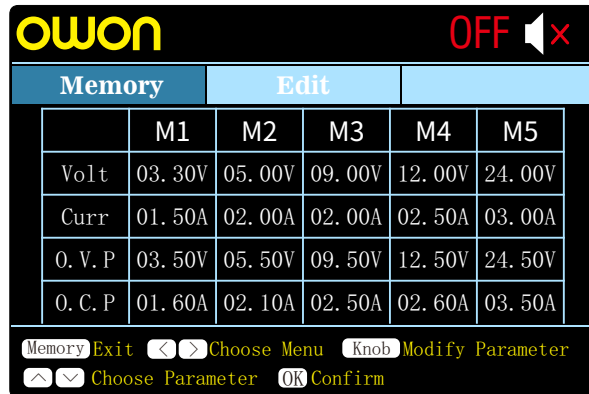
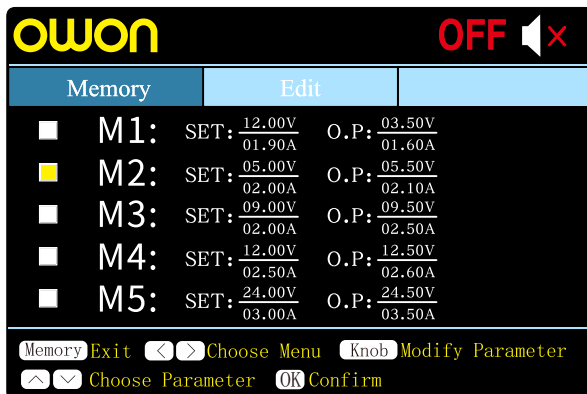
◀ Conventional display example\*



### Supports 10mV/10mA Resolution up to Full Load.



### Save up to 5 sets of parameters in memory for easy recall.



# Single Channel Programmable DC Power Supply

## - ODP3031



- + One controllable channel + fixed
- + Max output resolution : 1mV / 1mA
- + Low ripples / low noise : <math>\leq 300 \mu\text{Vrms}</math> / 2 mVpp
- + Over-voltage / Over-current protection
- + Up to 100 group timers
- + Up to 10 group preset system configurations
- + Auto-cooling system
- + 4 inch high resolution (480 x 320 pixels) LCD
- + USB2.0, and RS232 serial port digital communication supported

Model	P4305	P4603	ODP3031
Channel	Single Channel		
DC Output Rating	150W	180W	105W
Channel Output	0 - 30V / 0 - 5A * 1-CH	0 - 60V / 0 - 3A * 1-CH	0 - 30V / 0 - 3A * 1-CH 5V/3A fixed output
Display Type	3.7 inch colored LCD		4 inch colored LCD
Dimension (W x H x D)	117x 194 x 295 (mm)		250 x 158 x 358 (mm)
Device Weight	5.6 kg	5.8 kg	7 kg
Communication Interface	USB Device (optional), RS232		USB Device, RS232

The specifications based upon the instrument having run for at least 30 minutes continuously, under the specified operating environment.

Model		P4305	P4603	ODP3031
Load Regulation	Voltage	$\leq 0.04\% + 3\text{mV}$		$\leq 0.01\% + 3\text{mV}$
	Current	$\leq 0.04\% + 3\text{mA}$		$\leq 0.01\% + 3\text{mA}$
Line Regulation	Voltage	$\leq 0.01\% + 3\text{mV}$		$\leq 0.01\% + 3\text{mV}$
	Current	$\leq 0.01\% + 3\text{mA}$		$\leq 0.2\% + 3\text{mA}$
Settings Resolution	Voltage	1mV		1mV
	Current	1mA		1mA
Read Back Resolution	Voltage	1mV		1mV (< 10V), 10mV ( $\geq 10\text{V}$ )
	Current	1mA		1mA
Settings Accuracy (within 12 months) (25°C ± 5°C)	Voltage	$\leq 0.03\% + 10\text{mV}$		$\leq 0.05\% + 3\text{mV}$
	Current	$\leq 0.1\% + 5\text{mA}$		$\leq 0.1\% + 3\text{mA}$
Read Back Accuracy (25°C ± 5°C)	Voltage	$\leq 0.03\% + 10\text{mV}$		$\leq 0.05\% + 3\text{dig}$
	Current	$\leq 0.1\% + 5\text{mA}$		$\leq 0.1\% + 3\text{dig}$
Noise and Ripple (0Hz-20MHz)	Voltage	$\leq 4\text{mVp-p}$		$\leq 2\text{mVp-p}$
	Voltage	$\leq 1\text{mVrms}$		$\leq 300\mu\text{Vrms}$
	Current	$\leq 4\text{mA rms}$		$\leq 3\text{mA rms}$
Storage		5 groups		100 groups

Specifications subject to change without prior notice.

### + Accessories The accessories subject to final delivery.



Power Cord



Quick Guide



USB Cable (ODP3031)



Fuse



Test Leads (optional)



RS232 to USB Module (optional)