

# P4000 Series Single Channel Linear DC Power Supply



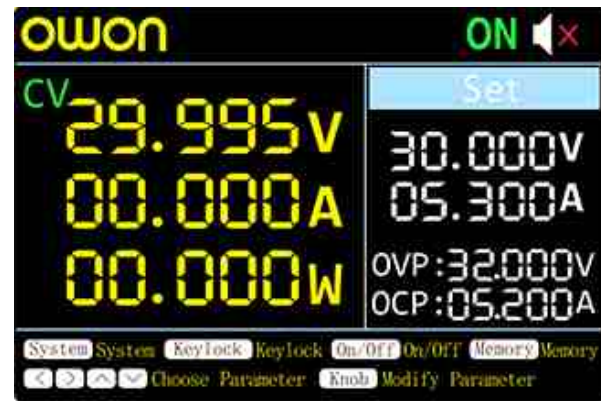
- + Small body for easy carry
- + 180W maximum output power
- + High resolution : 1mV / 1mA
- + Low ripple/noise
- + Over voltage/over current protection
- + Multi-directional cooling system with smart fan
- + 3.7 inch TFT LCD display
- + Support RS232 digital communication
- + Support SCPI and Labview



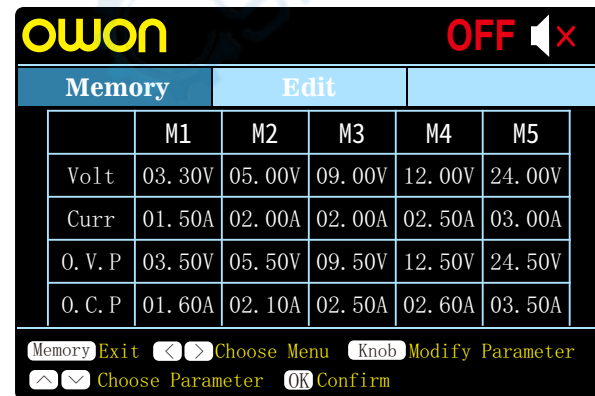
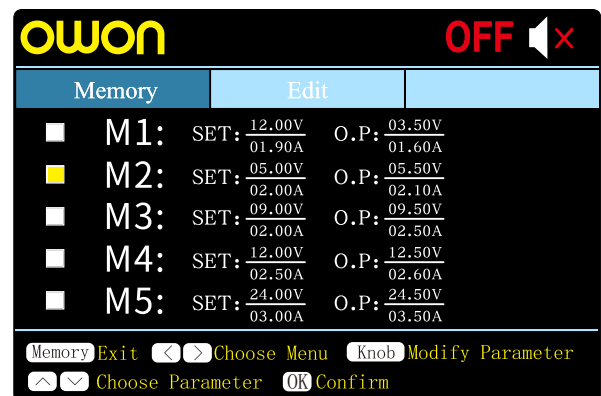
## 0.01% Power and Load Regulation

029.995  
VDC

029.989  
VDC



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



## + Performance Specifications

| Model              | P4305                            | P4603                   |
|--------------------|----------------------------------|-------------------------|
| Channel            | Single Channel Output            |                         |
| Total Output Power | 150W                             | 180W                    |
| Channel Output     | 0 - 30V / 0 - 5A × 1-CH          | 0 - 60V / 0 - 3A × 1-CH |
| Display            | 3.7 inch color LCD display       |                         |
| Dimension          | 117mm(L) × 194mm (H) × 295mm (D) |                         |
| Weight             | Approx. 5.60 kg                  | Approx. 5.80 kg         |
| Interface          | Rs232, USB device(optional)      |                         |

The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

| Model   | P4305            | P4603         |
|---|------------------|---------------|
| Rated Output (0°C-40°C)                         | Voltage          | 0 - 30V       |
|   | Current          | 5A            |
| Load Regulation                                 | Voltage          | ≤0.01%+3mV    |
|   | Current          | ≤0.01% + 3mA  |
| Power Regulation                                | Voltage          | ≤0.01% + 3mV  |
|   | Current          | ≤0.01% + 3mA  |
| Setting Resolution                              | Voltage          | 1mV           |
|   | Current          | 1mA           |
| Readback Resolution                             | Voltage          | 1mV           |
|   | Current          | 1mA           |
| Setpoint Accuracy (within 12 months) (25°C±5°C) | Voltage          | ≤0.03% + 10mV |
|   | Current          | ≤0.1% + 5mA   |
| Readback Accuracy (25°C±5°C)                    | Voltage          | ≤0.03% + 10mV |
|   | Current          | ≤0.1% + 5mA   |
| Ripple/Noise (20Hz-20MHz)                       | Voltage (Vp-p)   | ≤4mVp-p       |
|   | Voltage (rms)    | ≤1mVrms       |
|   | Current (rms)    | ≤4mArms       |
| Output Temperature (0°C-40°C)                   | Voltage          | ≤0.03% + 10mV |
|   | Current          | ≤0.1% + 5mA   |
| Readback Temperature Coefficient                | Voltage          | ≤0.03% + 10mV |
|   | Current          | ≤0.1% + 5mA   |
| Response Time                                   | 100 μs           |               |
| Storage   | 5 groups of data |               |
| Working Temperature                             | 0-40°C           |               |

Specifications subject to change without prior notice.

## + Application

- Military R&D
- Automotive Circuit Testing experiment
- Quality Inspection
- Education and Technical Training
- Circuit Functional Testing
- Electronic component testing and aging

## + Accessories

The accessories subject to final delivery.

