

SP Series

DC Power Supply



- + Small body for easy carry
- + 150W maximum output power
- + High setting resolution : 10mV / 10mA
- + low ripples / low noise
- + over-voltage / over-current protection
- + CV/CC output model
- + 3.7 inch TFT LCD
- + Support RS232 digital communication
- + Support SCPI and Labview



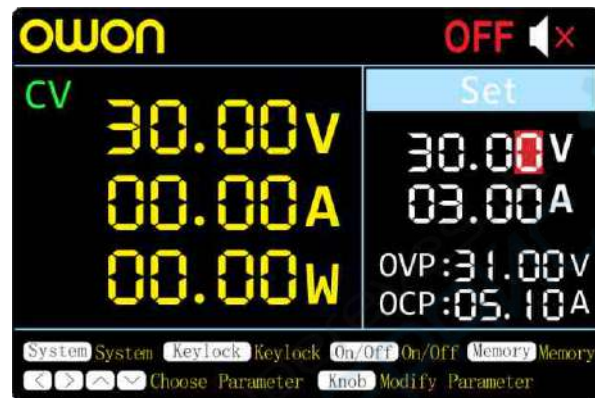
Large LCD Display



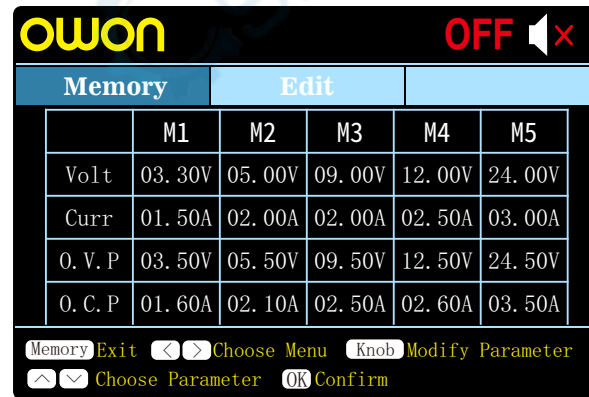
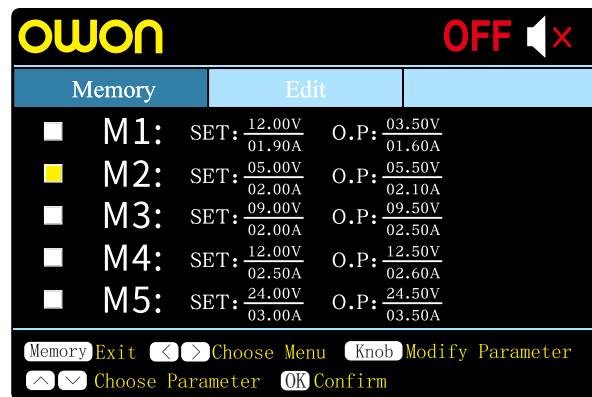
Conventional display example*



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



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



+ Performance Specifications

Model	SP3051
Channel	Single Channel Output
Total Output Power	150W
Channel Output	0 - 30V / 0 - 5A × 1-CH
Display	3.7 inch color LCD display
Dimension	117mm(L) × 194mm (H) × 295mm (D)
Weight	Approx. 2.30 kg
Interface	RS232

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

Model	SP3051	
Rated Output (0°C-40°C)	Voltage	0 - 30V
	Current	5A
Load Regulation	Voltage	≤30mV
	Current	≤50mA
Line Resolution	Voltage	≤10mV
	Current	≤20mA
Setting Resolution	Voltage	10mV
	Current	10mA
Readback Resolution	Voltage	10mV
	Current	10mA
Settings Accuracy (within 12 months) (25°C±5°C)	Voltage	≤0.3% + 10mV
	Current	≤0.3% + 20mA
Readback Accuracy (25°C±5°C)	Voltage	≤0.3% + 10mV
	Current	≤0.3% + 20mA
Ripple/Noise (20Hz-20MHz)	Voltage (Vp-p)	≤30mVp-p
	Voltage (rms)	≤3mVrms
	Current (rms)	≤30mArms
Output Temperature (0°C-40°C)	Voltage	≤0.3% + 10mV
	Current	≤0.3% + 20mA
Readback Temperature Coefficient	Voltage	≤0.3% + 10mV
	Current	≤0.3% + 20mA
Response Time	≤1.0ms	
Storage	5 groups of data	
Working Temperature	0-40°C	

Specifications subject to change without prior notice.

+ Application

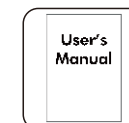
- Military R&D
- Automotive Circuit Testing experiment
- Quality Inspection
- Education and Technical Training
- Circuit Functional Testing
- Electronic component testing and aging

+ Accessories

The accessories subject to final delivery.



Power Cord



Manual



Fuse



Test Leads (optional)



RS232 to USB Module (optional)