



SP Series

Single Channel Digital
Power Supply (Switchmode)



LCD
Display



Slim
Case



Supports
SCPI

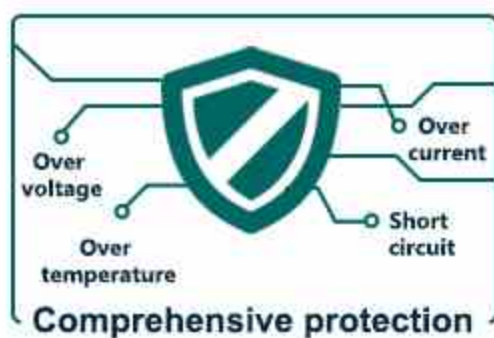


High
Resolution
at 10mV/10mA

- 150W maximum output power
- Low ripple and noise
- Over-voltage/over-current protection
- Advanced cooling system
- Supports RS232

Fully Digital DC Stabilized Power Supply

Large Display / Portable & Durable / Stable Output



30V regulated voltage

30V

5A regulated current

5A

150W regulated power

150W

Large LCD Display

Easy to read parameters

- HD LCD display
(480 × 320 pixels)



EXTENSIVE APPLICATIONS

Can be used in many situations:

Mobile/Laptop Repair, PCB/Motor Testing, Battery Charging.

High Accuracy and Resolution

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

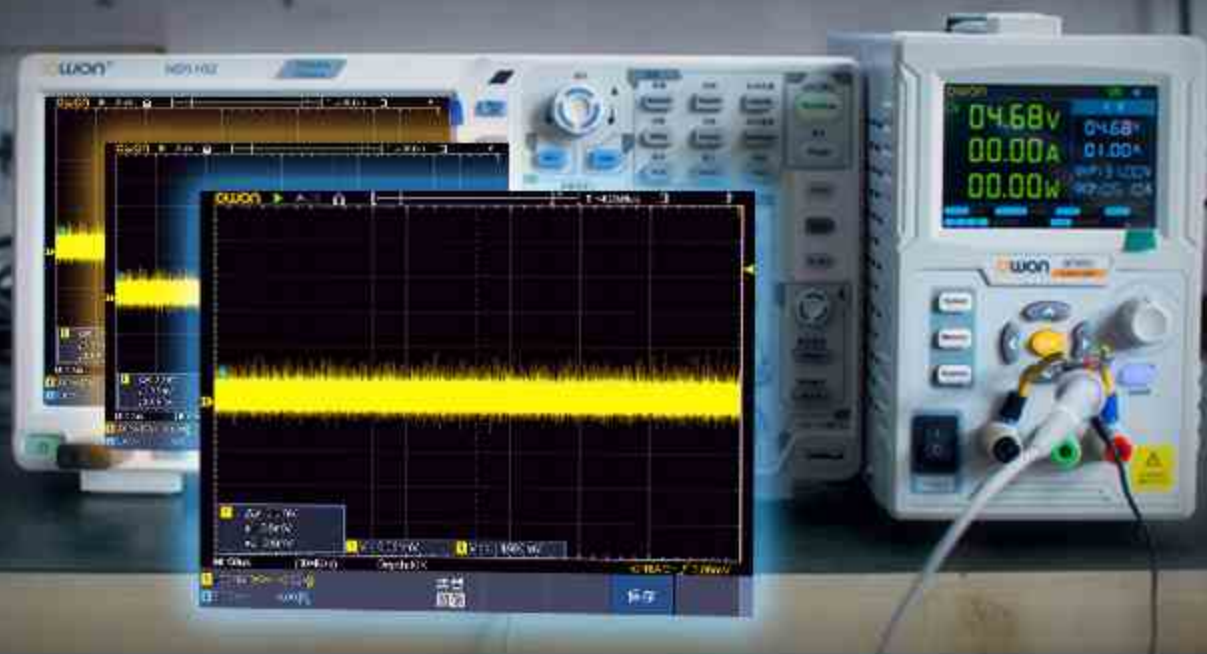




High-quality technology, stable quality

High accuracy components, Certified to European CE requirements

Low ripple and noise to meet the requirements for high accuracy testing



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



Stable Performance, CE Certified, SCPI Protocol Support



Compact Case is easy to carry

PROVIDES GREAT PORTABILITY



295mm

194mm

117mm

Approx. 2.3 kg

Why choose the SP3051?

1

Rigorous testing, 2-year warranty, safety



Salt spray test



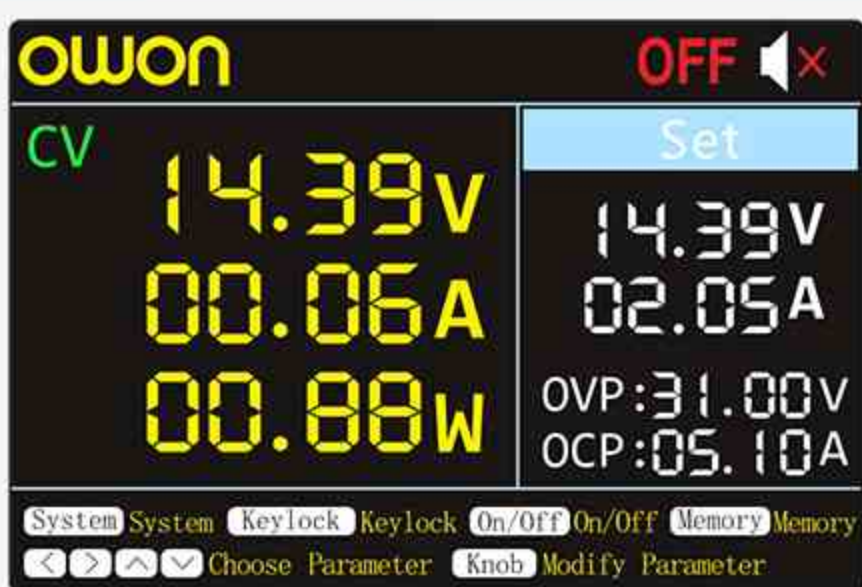
High-low temperature test



Calibration equipment

2

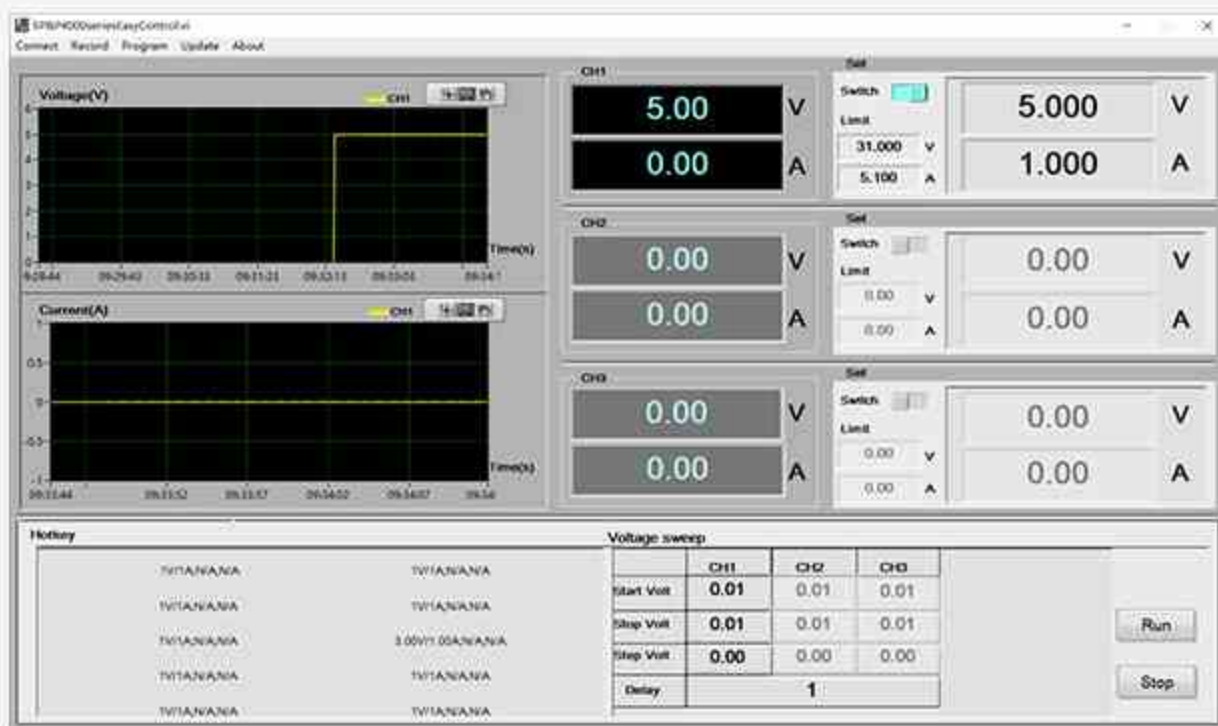
3.7 inch colour LCD, display more setting information



Voltage/current/power output; Set values of voltage/current; Over-voltage/over-current protection

3

Supports programming from software on your PC

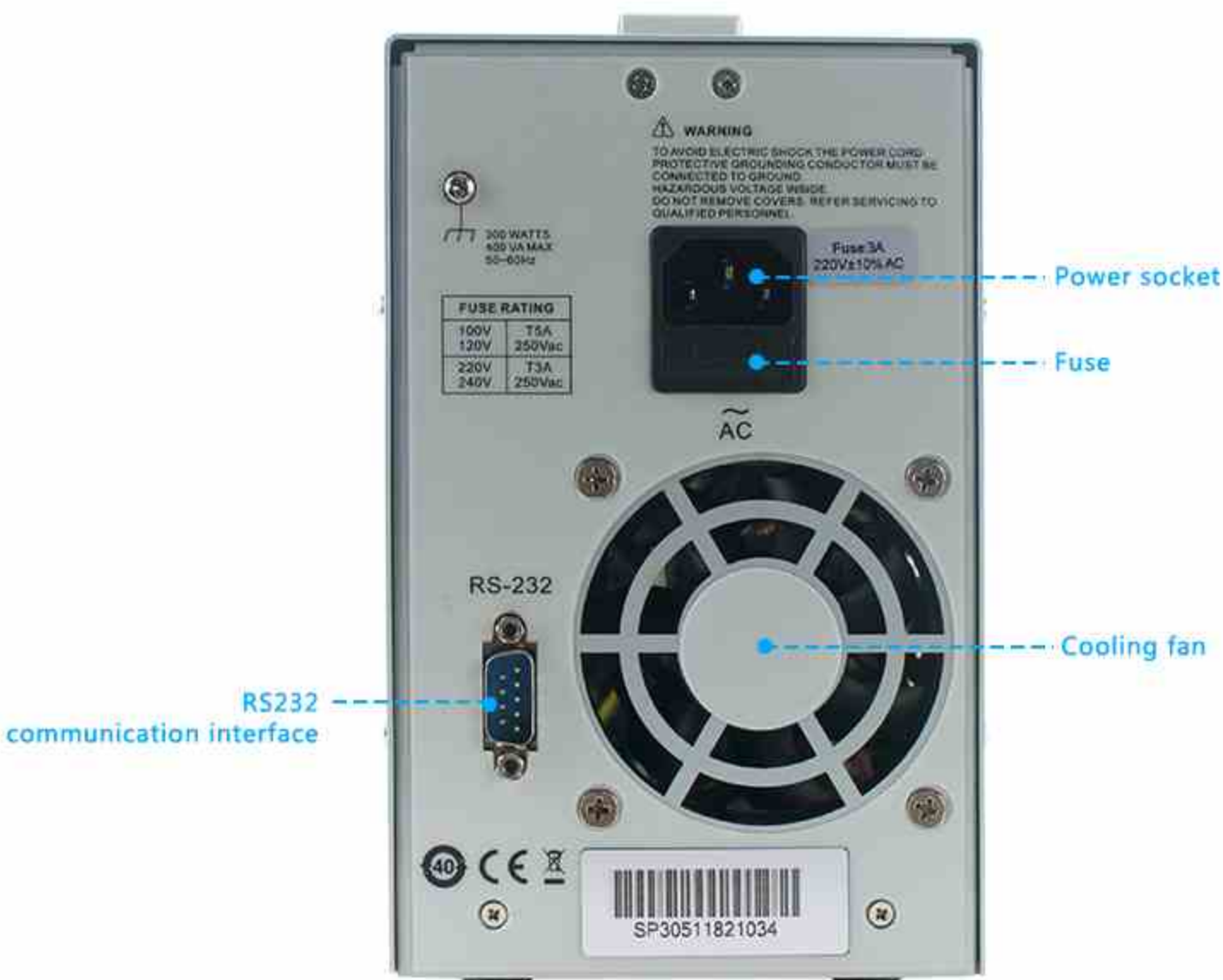


4

Constant voltage or constant current mode can protect the device and circuit



3.7 inch (480 x 320 pixel) HD LCD Display



Specifications

Input Parameter	Working Voltage Range	198-264Vac / 90-120Vac
	Working Frequency Range	45-65Hz
	Efficiency (220Vac, full load)	≤ 1.4A
	No-load input current (220Vac)	≤ 80mA
Rated Output (0°C-40°C)	Voltage	0-30V
	Overvoltage Protection	31V
	Current	0-5A
	Power	150W
Load Regulation (%of output+offset)	Voltage	≤ 30mV
	Current	≤ 50mA
Line Regulation (%of output+offset)	Voltage	≤ 10mV
	Current	≤ 20mA
Setting Resolution	Voltage	10mV
	Current	10mA
Readback Resolution	Voltage	10mV
	Current	10mA
Value Resolution (within 12 months) (25°C±5°C) (%of output+offset)	Voltage	≤ 0.3%+10mV
	Current	≤ 0.3%+20mA
Readback Value Resolution (25°C±5°C) (%of output+offset)	Voltage	≤ 0.3%+10mV
	Current	≤ 0.3%+20mA
Ripple and Noise (20Hz-20MHz)	Voltage (V _{p-p})	≤ 30mV _{p-p}
	Voltage (rms)	≤ 3mV _{rms}
	Current (A _{p-p})	≤ 30mA _{p-p}
Output Temperature Coefficient (0°C-40°C) (%of output+offset)	Voltage	≤ 0.3%+10mV
	Current	≤ 0.3%+20mA
Readback Temperature Coefficient (%of output+offset)	Voltage	≤ 0.3%+10mV
	Current	≤ 0.3%+20mA
Transient Response Time	Time	≤ 1.0ms
Interface		RS232
Temperature		0-40°C
Display		3.7 inches color LCD, 480 x 320 pixels
Dimension		295*117*194mm
Weight		Approx. 2.3 kg

Accessories and Packaging



1 SP3051

2 Quick Guide

3 Fuse

4 Power Cord

5 RS232

Dimension (W×H×D): 117 x 194 x 295 (mm)

Device Weight: Approx. 2.3 kg

Packaging Size (W×H×D): 265 x 197 x 412 (mm)

