

SPD3000C Series

Programmable DC Power Supply

 **SIGLENT®**



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Main Features

- 3 independent controlled and isolated output: 32 V/3.2 A×2, 2.5 V/3.3 V/5 V/3.2 A×1, total power 220 W.
- Resolution: 10 mV/10 mA
- Supports panel timing output functions.
- LED display; 32 V full scale, 4 digits; 3.2 A full scale, 3 digits
- 100 V/120 V/220 V/230 V compatible design, to meet the needs of different power grids.
- Intelligent fan for temperature control, effectively reduces noise.
- Five groups of internal system parameter storage. Supports data storage space expansion.
- Supports SCPI commands & USB device interface. Includes PC software.

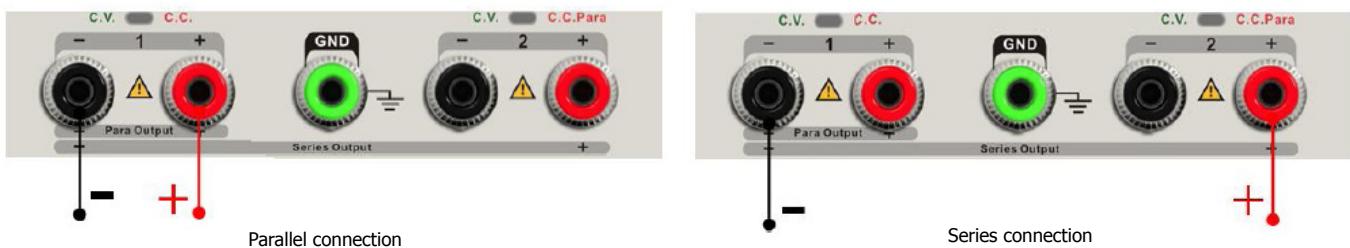
Design Features

■ High-resolution and high-precision output

High precision adjustability of as low as 10 mV & 10 mA steps. User's DUT can be monitored and analyzed under small changes in voltage and current.

■ Series/parallel/independent mode functions

Series and parallel functions allows two channels to be easily combined into one output with more power output ability, doubling the supplied voltage or current. Each of the 3 channel's outputs can be turned on/off independently or all 3 turned all-on/all-off simultaneously.



Application Field

- Debugging in R&D
- Production / Automatic Test
- Quality Control and Test
- Teaching / Education



Specification

Model	SPD3303C	
Output	CH1 Output Current:0~3.2 A CH2 Output Voltage:0~32 V CH2 Output Current:0~3.2 A CH3 Output Voltage:2.5 V/3.3 V/5 V CH3 Output Current:3.2 A	
Display	32 V full scale 4 digits 3.2 A full scale 3 digits LED display	
Resolution	10 mV/10 mA	
Program Accuracy	V: ± (0.5% of reading+3 digits) I: ± (0.5% of reading+3 digits)	
Readback Accuracy	V: ± (0.5% of reading+3 digits) I: ± (0.5% of reading+3 digits)	
Constant Voltage Mode	Line Regulation Load Regulation Ripple & noise Recovery time	≤0.01%+3 mV ≤0.01%+3 mV ≤1 mVrms (5 Hz~1 MHz) <50 μS (50% load change, Minimum load 0.5 A)
Constant Current Mode	Line Regulation Load Regulation Ripple & noise	≤0.2%+3 mA ≤0.2%+3 mA ≤3 mArms
Parallel Mode	Line Regulation Load Regulation	≤0.01%+3 mV ≤0.01%+3 mV
Series Mode ^[1]	Line Regulation Load Regulation	≤0.01%+5 mV ≤300 mV
CH3	Output Line Regulation Load Regulation Load Regulation	(2.5 V/3.3 V/5 V) ±8% ≤0.01%+3 mV ≤0.01%+3 mV ≤1 mVrms (5 Hz~1 MHz)
Locking key	Yes	
Memory Save/Recall	5 sets	
Max Output Power	220 W	
Power Source	AC 100 V/120 V/220 V/230 V±10% 50/60 Hz	
Interface	USB Device	
Insulation	Case to Terminal: ≥20 MΩ (DC 500 V) Case to AC line: ≥30 MΩ (DC 500 V)	
Operating environment	Outdoor usage: Elevation: ≤2000 m Environment Temp: 0~40 °C Relative Humidity: ≤80% Installation Level: II Pollution Level:2	
Storage Environment	Environment Temp:-10~70 °C Relative Humidity: ≤70%	
Size	275×225×136 mm	
Weight	7.5 Kg	

Remark:

[1]The SPD can output 60V voltage maximum in the Series mode.

Ordering information

Product information	Product No
3 channels independent output, min resolution 10mV/10mA, USB Device, LED display	SPD3303C
Standard Accessories	
USB Cable -1	
Quick Start -1	
Power cord -1	
Certificate of Calibration -1	

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About SIGLENT

SIGLENT is an international high-tech company, concentrating on R&D, sales, production and services of electronic test & measurement instruments.

SIGLENT first began developing digital oscilloscopes independently in 2002. After more than a decade of continuous development, SIGLENT has extended its product line to include digital oscilloscopes, function/arbitrary waveform generators, RF generators, digital multimeters, DC power supplies, spectrum analyzers, vector network analyzers, isolated handheld oscilloscopes, electronic load and other general purpose test instrumentation. Since its first oscilloscope, the ADS7000 series, was launched in 2005, SIGLENT has become the fastest growing manufacturer of digital oscilloscopes. We firmly believe that today SIGLENT is the best value in electronic test & measurement.

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