

Product Datasheet

Stock No: 1236636

# RS Pro PROGRAMMABLE DC POWER SUPPLY SPD3303C



## Main Features

- 3 independent controlled and isolated output: 32 V/3.2 A $\times$ 2, 2.5 V/3.3 V/5 V/3.2 A $\times$ 1, total power 220W.
- Resolution: 10 mV/10mA
- 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 allow 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.



Parallel connection



Series connection

## Application Field

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

# Specification

Model		RSPD3303C
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 4digits 3.2A full scale 3 digits LED display
Resolution		10 mV/10 mA
Program Accuracy		V: ± (0.5% of reading+2digits) I: ± (0.5% of reading+2digits)
Readback Accuracy		V: ± (0.5% of reading+2digits) I: ± (0.5% of reading+2digits)
Constant Voltage Mode	Line Regulation	≤0.01%+3 mV
	Load Regulation	≤0.01%+3 mV
	Ripple & noise	≤1 mVrms(5 Hz~1 MHz)
	Recovery time	<50 us (50% load change, Minimum load 0.5 A)
Constant Current Mode	Line Regulation	≤0.2%+3 mA
	Load Regulation	≤0.2%+3 mA
	Ripple & noise	≤3 mArms
Parallel Mode	Line Regulation	≤0.01%+3 mV
	Load Regulation	≤0.01%+3 mV
Series Mode	Line Regulation	≤0.01%+5 mV
	Load Regulation	≤300 mV
CH3	Output	(2.5 V/3.3 V/5 V) ±8%
	Line Regulation	≤0.01%+3 mV
	Load Regulation	≤0.01%+3 mV
	Load Regulation	≤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