



DataSheet

SPD3000 Series Programmable DC Power Supply



Main Features

- ◆3 Independent Controlled and Isolated Output:: 30V/3A×2, 2.5V,3.3V,5V/3A×1, Total Power 195W
- Resolution: SPD3303S: 1mV, 1mASPD3303D: 10mV, 10mA
- Support panel timing output functions
- ◆ 4.3 inch truecolor TFT-LCD 480 x 272 pixel display
- ◆ 3 kinds of output mode: Independent, series, parallel.
- ◆ 100V/120/220/230V compatible design, to meet the needs of different power grids.
- ◆ Intelligent fan of temperature control, effectively reduce the noise。
- Clear graphical interface, with the waveform display function
- ◆ Internal 5 groups of system parameter save/obtained, and support data storage space expansion
- ◆ Support SCPI, PC SoftWare &USB Device。

High-resolution and high-precision output

The highest resolution of 1mV/1mA, Excellent setting and readback accuracy. Ensure accurate pure output .You can easily simulate the device accurate behavior under testing with small change in voltage or current. This is impossible for a low resolution power supply.



Series/parallel/independent mode function

Series and parallel function allows two chanels combined into one output with more power output ability, This extends the application range. Each of 3 chanels power can be on/off independently and also can be all-on/all -off.

Panel realize the timing output

Through the panel operation, 5 groups of timing Settings and output control can be realized, which provides users a simple power programming function. At the same time, cooperating with the PC software, it meets the most demand of communicating and controlling.

Intuitive interface

Large and high resolution LCD display, concise human machine interface, make the machine easily used

Application Field

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





Specification

Channel	Model		SPD3303D			SPD3303S		
Output Voltage 0~30V 2.5/3.3/5.0V 0~30V 2.5/3.3/5.0V Output Current 0~3A 0~3A 0~3A 0~3A 0~3A Display 30V full scale 4digits 30V full scale 5digits LCD display LCD display Resolution 10mV/10mA 1mV/1mA 1mV/1mA 1mV/1mA Program Accuracy 1: ± (0.5% of reading+2digits) V: ± (0.03% of reading+10mA) V: ± (0.03% of reading+10mA) Readback Accuracy V: ± (0.5% of reading+2digits) V: ± (0.03% of reading+10mA) V: ± (0.03% of reading+10mA) Constant Voltage Mode V: ± (0.5% of reading+2digits) V: ± (0.03% of reading+10mA) Line Regulation ≤0.01%+3mV V: ± (0.03% of reading+10mA) Line Regulation ≤0.01%+3mV V: ± (0.03% of reading+10mA) Ripple & Noise ≤1mVrms (5Hz~1MHz) Recovery Time <100.9% (50% load change, minimum load 0.5A)						CH1		I
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Display			·		'			
Display 3A full scale 3digits	Display					_		
LCD display						···		
Resolution			- The state of the			•		
Program Accuracy	Resolution							
First (0.5% of reading+2digits)			V: ± (0.5% of reading+2digits)			V: ± (0.03% of reading+10mV)		
Series Mode			I: ± (0.5% of reading+2digits)			I: ± (0. 3% of reading+10mA)		
Series Mode	Readback Accuracy					V: ± (0.03% of reading+10mV)		
Voltage			I: ± (0.5% of reading+2digits)			I: ± (0.3% of reading+10mA)		
Mode	Constant	Line Regulation	≤0.01%+3mV					
Recovery Time	Voltage	Load Regulation	≤0.01%+3mV					
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	Dimension		275X225X136MM					
Weight 8kg	Weight							