

Programmable DC Power Supply PSD7303A/PSD7303B



Main Features

- 3 independent controlled and isolated output, 32V/3.2A×2, 2.5V/3.3V/5V/3.2A×1, total 220W
- 5 digits Voltage, 4 digits Current Display, Minimum Resolution: 1mV/1mA
- Supports panel timing output functions
- 3 types of output modes: independent, series, parallel
- Intelligent temperature-controlled fan , effectively reducing noise
- Short circuit and overload protection
- Clear graphical interface, with the waveform display function
- 4.3 inch true color TFT- LCD 480x272 display
- Internal 5 groups of system parameter save/recall, supports data storage space expansion
- Provides PC software , supports SCPI, Lab View driver.

Technical Specifications	PSD7303A	PSD7303B
No. of Channels	3	
Channel	CH1 output voltage: 0 - 32V, output current: 0 - 3.2A CH2 output voltage: 0 - 32V, output current: 0 -3.2A CH3 output voltage: 2.5/3.3/5.0V output current : 3.2A	
Resolution	1mV/1mA	10mV/10mA
	5 digits voltage 4 digits current	4 digits voltage 3 digits current
Program Accuracy	Voltage: $\pm(0.03\%$ of reading+10mV) Current: $\pm(0.3\%$ of reading+10mA)	Voltage: $\pm(0.5\%$ of reading+2digits) Current: $\pm(0.5\%$ of reading+2digits)
Readback Accuracy	Voltage: $\pm(0.03\%$ of reading+10mV) Current: $\pm(0.3\%$ of reading+10mA)	Voltage: $\pm(0.5\%$ of reading+2digits) Current: $\pm(0.5\%$ of reading+2digits)
Constant Voltage Mode		
Line Regulation	$\leq 0.01\%+3\text{mV}$	
Load Regulation	$\leq 0.01\%+3\text{mV}$	
Ripple&Noise	$\leq 1\text{mVrms}(5\text{Hz} - 1\text{MHz})$	
Recovery Time	$< 50\mu\text{s}(50\%$ load change, minimum load 0.5A)	

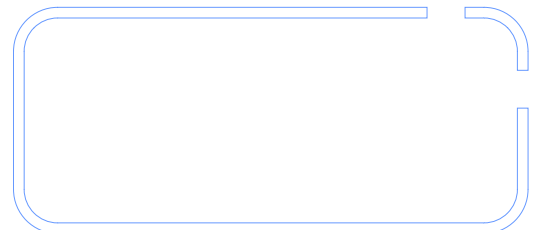
Technical Specifications	PSD7303A	PSD7303B
Constant Current Mode		
Line Regulation		≤0.2%+3mA
Load Regulation		≤0.2%+3mA
Ripple&Noise		≤3mArms
Parallel Mode		
Line Regulation		≤0.01%+3mV
Load Regulation		≤0.01%+3mV
Series Mode		
Line Regulation		≤0.01%+5mV
Load Regulation		≤300mV
CH3		
Output Voltage		(2.5/3.3/5V) ±8%
Line Regulation		≤0.01%+3mV
Load Regulation		≤0.01%+3mV
Ripple&Noise		≤1mVrms(5Hz - 1MHz)
Locking Key		Yes
Protection		Shortcircuit and Overload
Memory Save/Recall		5 Sets
Max Output Power		220W
Power Source		AC 220V/230V ±10% 50/60Hz
Standard Configuration Interface		USB Device, LAN
Display		4.3 inch true color TFT-LCD
Insulation		
Case to Terminal		≥20MΩ (DC 500V)
Case to AC line		≥30MΩ (DC 500V)
Operating Condition		0-40°C, Relative Humidity≤80%
Storage Condition		-10-70°C, Relative Humidity≤70%
Dimension		225(W)×143(H)×278(D) mm
Weight		8.0kg (Approx)
Accessories		CD containing User manual and software, USB cable, Output test cord
		(Subject to change)

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