



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 A	10mV/10mA A
Program Accuracy	5 digits voltage 4 digits current Voltage: ±(0.03% of reading+10mV) Current: ±(0.3% of reading+10mA)	4 digits voltage 3 digits current Voltage: ±(0.5% of reading+2digits) Current: ±(0.5% of reading+2digits)
Readback Accuracy	Voltage: ±(0.03% of reading+10mV) Current: ±(0.3% of reading+10mA)	Voltage: ±(0.5% of reading+2digits) Current: ±(0.5% of reading+2digits)
Constant Voltage Mode		
Line Regulation	≤0.01%+3mV	
Load Regulation	≤0.01%+3mV	
Ripple&Noise	≤1mVrms(5Hz - 1MHz)	
Recovery Time	< 50μs(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	Short-circuit 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 ⁰ C, Relative Humidity≤80%	
Storage Condition	-10-70 ⁰ 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	