

FEATURES

- 2,3, and 4 Independent isolated output
- User-friendly operation, coarse/fine volume control
- USB standard interface
- Digital panel control

RS PRO Digital, Bench Power Supply, 195W, 4 Output , 0 → 30V 1 A, 3 A

RS Stock No.: 123-3561



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO, comes a range of high quality and cutting edge multiple output programmable linear DC power supplies with LED display screens. Manufactured to industry standards these user-friendly DC power supplies include a large display, a digital panel control, bright LED indicators, high output resolution, 4 sets of setup memory, USB remote control.

General Specifications

Type	Digital
Mode	Series/parallel
Number of Displays	4
Input Connector	IEC320
Output Connector	Plug-In Terminal Block
Number of Outputs	4
Temperature Coefficient	≤300ppm /°C
Recovery or Reaction Time	< 100μs (50% load change, minimum load 0.5A)
Resolution	Voltage: 1mV / Current: 1mA
Number of channel	4
Locking key	Yes
Memory Save/Recall	4sets
Interface	USB
Application	Laboratories and educational facilities, Service operation and post-sales support, Product testing and quality assurance, Product development and debugging

Electrical Specifications

Supply Voltage	100VAC to 230VAC
Output Voltage	0V to 30V
Output Current	1A,3A
Power Rating	195W
Load Regulation	Constant voltage mode:-Voltage: $\leq 0.01\% + 3 \text{ mV}$ Constant current mode:- Current: $\leq 0.2\% + 3 \text{ mA}$
Line Regulation	Constant voltage mode Voltage: $\leq 0.01\% + 3 \text{ mV}$ Constant current mode Current: $\leq 0.2\% + 3 \text{ mA}$
Ripple(20hz-20M)	Constant voltage mode Voltage: $\leq 1 \text{ mVrms}$ (5Hz to 1MHz) Constant current mode Current: $\leq 3 \text{ mArms}$
Tracking Error	$\leq 0.5\% + 10 \text{ mV}$
Series Regulation	$\leq 0.01\% + 5 \text{ mV}$ $\leq 300 \text{ mV}$
Parallel regulation	Line : $0.01\% + 3 \text{ mV}$ Load : $0.01\% + 3 \text{ mV}$ (rating current $\leq 3 \text{ A}$); $0.02\% + 5 \text{ mV}$ (rating current $> 3 \text{ A}$)

Mechanical Specifications

Dimension	210mm x130mm x265mm
Length	265mm
Width	210mm
Height	130mm
Weight	7kg. Approx.

Channel 2 Specifications

Output Voltage	0V to 30V
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Channel 3 Specifications

Output Voltage	0V to 5V/ 5V-10V
Line Regulation	$\leq 0.01\% + 3 \text{ mV}$
Load Regulation	$\leq 0.01\% + 3 \text{ mV}$
Ripple & Noise	$\leq 2 \text{ mVrms}$ (5Hz 10MHz)

Channel 4 Specifications

Output Voltage	0V to 30V
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Meter Specifications

Type	Voltage : 4 digits 0.4" LED Display Current : 3 digits 0.4" LED Display
Voltage Resolution	1mV (*1)
Current Resolution	1mA (*1)
Setting Accuracy	Voltage±(0.03% of reading +10digits); Current±(0.3% of reading +10digits)
Read back Accuracy	Voltage±(0.03% of reading +10digits); Current±(0.3% of reading +10digits)

Approvals

Compliance/Certifications	RoHS certificate of compliance
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FUNCTION FEATURES



1. Bright LED display shows settings or actual level of output
2. The independent CH3 output offers three commonly used voltage settings (IPS-3303S/3303D only)
3. C.V./C.C. modes are clearly indicated in different colors
4. Smart cooling fan control offers a well-balanced cooling mechanism, ensuring quiet operation
5. The tracking series and parallel mode can be selected with a single touch
6. Indicators embedded in the keys provide an instant view of the power supply status; the Key Lock feature prevents improper operation

ORDERING INFORMATION	
IPS-2303S	IPS-2303S 2 Channels, 180W Programmable Linear DC Power Supply
IPS-3303S	IPS-3303S 3 Channels, 195W Programmable Linear DC Power Supply
IPS-4303S	IPS-4303S 4 Channels, 195W Programmable Linear DC Power Supply
IPS-3303D	IPS-3303D 3 Channels, 195W Programmable Linear DC Power Supply

ACCESSORIES	
	User Manual x 1 , Power cord x 1
IPS-2303S	Test Lead GTL-104Ax2;European Test Lead GTL-204Ax2, GTL-201Ax1
IPS-3303S	Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1
IPS-4303S	Test Lead GTL-104Ax2,GTL-105Ax2;European Test Lead GTL-203Ax2,GTL-204Ax2,GTL-201Ax1
IPS-3303D	Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1

