Features

- Independent Isolated Output
- 4.3 Inch LCD Display
- CC/CV operation mode
- Recovery Time：≤ 100 μs (50 % load change, minimum load 0.5 A)
- Setting & Readback Resolution 10 mV / 2 mA
- Output ON/OFF
- OVP Protection
- Analog Control (Remote I/O) for Output ON / OFF
- Key Lock Function
- Smart cooling fan achieving low noise

RS PRO Four Output Linear D.C. Power Supply

RS Stock No.: 0760722,0760723,0760725,0760726, 0760727,0760728,0760729,0760731

MPN：RSPE-4323A



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

The power supply unit features independent isolated output channels, enabling flexible multi-channel operation. Its digital panel control and 4.3-inch LCD display provide intuitive user interaction. With high-resolution settings and measurements down to 10 mV / 1 mA, it ensures precise voltage and current control.

It supports automatic series/parallel tracking and operates in both constant current (CC) and constant voltage (CV) modes. Safety is enhanced through multiple protection mechanisms, including overvoltage and overload protection. Additional functions include panel lock, output On/Off control, and a simple analog On/Off interface. Optimized heat dissipation ensures stable performance, making it ideal for demanding test environments.

General Specifications

Display	**4.3” LCD**
Power Source	**AC 100 V / 120 V / 220 V ± 10 %, 230 V + 10 %/-6 %**
Power Line Frequency	**50 Hz or 60 Hz**
Power Consumption	**550 VA / 420 W, MAX**
Dimensions	**210 mm x 155 mm x 306 mm, (W x H x D)**
Weight	**Approx. 7 kg**

Electrical Specifications

OUTPUT RATINGS	
CH1/CH2 Independent	0 V to 32 V / 0 A to 3 A
CH1/CH2 Series	0 V to 64 V / 0 A to 3 A
CH1/CH2 Parallel	0 V to 32 V / 0 A to 6 A
CH3	0 V to 5 V, 1 A
CH4	0 V to 15 V, 1 A
VOLTAGE REGULATION	
Line	≤ 0.01 % + 3 mV
Load	≤ 0.01 % + 3 mV (rating current ≤ 3 A)
	≤ 0.02 % + 5 mV (rating current > 3 A)
Ripple & Noise	≤ 1 mVrms (5 Hz to 1 MHz)
Recovery Time	≤ 100 µs (50 % load change, minimum load 0.5 A)
Temperature Coefficient	≤ 300 ppm/°C
CURRENT REGULATION	
Line	≤ 0.2 % + 3 mA
Load	≤ 0.2 % + 3 mA

Ripple & Noise	≤ 3 mArms
TRACKING OPERATION	
Tracking Error	≤ 0.1 % + 10 mV of Master
	(No Load, with load add load regulation ≤100 mV)
Parallel Regulation	Line: ≤ 0.01 % + 3 mV
	Load: ≤ 0.01 % + 3 mV (rating current ≤ 3 A)
	Load: ≤ 0.02 % + 5 mV (rating current > 3 A)
Ripple & Noise	≤ 1 mVrms (5 Hz to 1 MHz)
Series Regulation	Line: ≤ 0.01 % + 5 mV
	Load: ≤ 100 mV
Ripple & Noise	≤ 2 mVrms (5 Hz to 1 MHz)
OVP	
Range	CH1/CH2: OFF, ON (1 V to 36 V) CH3: OFF, ON (1 V to 6 V) CH4: OFF, ON (1 V to 16 V)
Resolution	1 V
Accuracy	≤ ±1 V
DISPLAY	
LCD	4.3-inch single color LCD display
Ammeter	CH1/CH2: 3.200 A, full scale, 4 digits or 3 digits CH3: 1.000 A, full scale, 4 digits or 3 digits CH4: 1.000 A, full scale, 4 digits or 3 digits
Current Resolution	1 mA or 10 mA
Voltmeter	CH1/CH2: 32.00 V, full scale, 4 digits or 3 digits CH3: 5.00 V, full scale, 4 digits or 3 digits CH4: 15.00 V, full scale, 4 digits or 3 digits
Voltage Resolution	10 mV or 100 mV
ACCURACY	
Setting/Readback Accuracy	Voltage: ± (0.1 % of reading + 30 mV) (4 digits) ± (0.1 % of reading + 200 mV) (3 digits)
	Current: ± (0.3 % of reading + 6 mA) (4 digits) ± (0.3 % of reading + 20 mA) (3 digits)
INSULATION	
Chassis and Terminal	20 MΩ or above (DC 500 V)
Chassis and AC cord	30 MΩ or above (DC 500 V)
OPERATION ENVIRONMENT	
Indoor Use, Altitude: ≤ 2000 m	
Ambient Temperature: 0 °C to 40 °C	
Relative Humidity: ≤ 80 %	
Installation Category: II; Pollution Degree: 2	
STORAGE ENVIRONMENT	
Ambient Temperature: -10 °C to 70 °C	
Relative Humidity: ≤ 70 %	

Approvals

Directive: EMC; LVD; WEEE; RoHS

The product is in conformity with the following standards or other normative documents:

◎ EMC	
EN 61326-1 :	Electrical equipment for measurement, control and laboratory use — EMC requirements
Conducted & Radiated Emission EN 55011 / EN 55032	Electrical Fast Transients EN 61000-4-4
Current Harmonics EN 61000-3-2 / EN 61000-3-12	Surge Immunity EN 61000-4-5
Voltage Fluctuations EN 61000-3-3 / EN 61000-3-11	Conducted Susceptibility EN 61000-4-6
Electrostatic Discharge EN 61000-4-2	Power Frequency Magnetic Field EN 61000-4-8
Radiated Immunity EN 61000-4-3	Voltage Dip/ Interruption EN 61000-4-11 / EN 61000-4-34
◎ Safety	
EN 61010-1 :	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Similar Products

Stock No.	Brand	Product Name	Attribute 1	Attribute 2	Attribute 3
	RS PRO	RSPE-1326A			
	RS PRO	RSPE-2323A			
	RS PRO	RSPE-3323A			

Order Information

RSPE-4323A 4 Channel 212 W Linear DC Power Supply

Included Accessories

Power cord x 2 (UK & VDE Types)

RSPE-4323A Test lead GTL-104 x 2; Test lead GTL-105A x 2

Mechanical Specifications

