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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8924A Autoranging System DC Power Supply, 750 V, 20 A

Keysight (Agilent) N8924A Autoranging System DC Power Supply, 750 V, 20 A, 5000 W The Keysight N8924A is an N8900 Series autoranging system DC power supply (208 VAC) rated 750 V / 20 A / 5 kW. Autoranging supports combinations such as 750 V @ 6.7 A and 250 V @ 20 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks. The Keysight N8924A is an N8900 Series autoranging system DC power supply (208 VAC) rated 750 V / 20 A / 5 kW. Autoranging supports combinations such as 750 V @ 6.7 A and 250 V @ 20 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks.



MODEL

**Keysight / Agilent
N8924A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8924A

LISTING

<https://aumictechlabs.com/products/n8924a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N8924A is a 5 kW autoranging DC power supply rated for 750 VDC output at 20 ADC maximum. Unlike conventional supplies with fixed voltage/current ratings, autoranging delivers full 5000 W across any voltage and current combination within its envelope - at 750 V, available current is 6.7 A; at lower voltages, current scales to maintain constant power. This

flexibility eliminates the need for multiple units, reducing rack space and cost in ATE and production test environments.

Technical Specifications

Output: 750 VDC, 20 ADC, 5000 W maximum

Autoranging: Full power available across the entire voltage-current operating range

Input Power: 208 VAC, 1-Phase nominal; 187–240 VAC operating range

Programming Accuracy (23 °C ± 5 °C): Voltage ≤ 750 mV (0.1% FS); Current ≤ 40 mA (0.2% FS)

Load Effect: Voltage 375 mV; Current 30 mA

Output Ripple and Noise: Peak-to-peak 800 mV; RMS 200 mV; Current RMS 16 mA

Over-Voltage Protection: 0–825 VDC adjustable

Command Response Time: < 25 ms

Protection: Over-voltage, over-current, and over-temperature

Key Features

- Compact 3U rack-mount design (5.25 inches height)
- Standard interfaces: LAN (LXI Core), USB, GPIB, and analog
- Built-in web server for remote access and browser-based control
- Master/slave operation supported for parallel configurations
- Scalable to over 100 kW by paralleling up to ten identical units
- STEP format 3D models available

Typical Applications

- Automated test equipment (ATE) requiring variable voltage/current profiles
- Production testing of high-voltage, low-current devices
- Parallel power architectures for high-power load simulation

Compatibility & Integration

The N8924A is part of the N8900 Series, which includes 5 kW, 10 kW, and 15 kW models with various voltage/current combinations. Input voltage options of 208 VAC or 400 VAC accommodate different facility standards.

Features & description

From manufacturer datasheet

Features

- 750 V / 20 A / 5,000 W • Autoranging: 6.7 A @ 750 V; 250.0 V @ 20 A • AC: 208 VAC nominal • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8924A Characteristics / Specifications

PARAMETER	VALUE
Model	N8924A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (5 kW, 208 VAC)
Alias	N8924A DC Output
Voltage	0–750 V; Current: 0–20 A; Power: 5,000 W
Autoranging	6.7 A @ 750 V; 250.0 V @ 20 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8924A Specifications

PARAMETER	VALUE
Applications	High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks.
Key Features	- 750 V / 20 A / 5,000 W
Technical Specifications	Model: N8924A
DC Output	Voltage: 0–750 V; Current: 0–20 A; Power: 5,000 W
Performance	Per N8900 datasheet 5991-2818EN N8924A/N8944A (750 V / 5 kW) column
AC Input	208 VAC nominal $\pm 10\%$; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8944A is the 400 Vac twin. Prefer N8900 datasheet 5991-2818EN.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	N8924A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (5 kW, 208 VAC)
Alias	N8924A

DC Output

Voltage: 0-750 V; Current: 0-20 A; Power: 5,000 W

Current @ Max Voltage: 6.7 A; Voltage @ Max Current: 250.0 V

Performance

Per N8900 datasheet 5991-2818EN N8924A/N8944A (750 V / 5 kW) column

AC Input

208 VAC nominal ±10%; 3-phase; 45-65 Hz; PF > 0.99

Operational Notes

N8944A is the 400 Vac twin. Prefer N8900 datasheet 5991-2818EN.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.